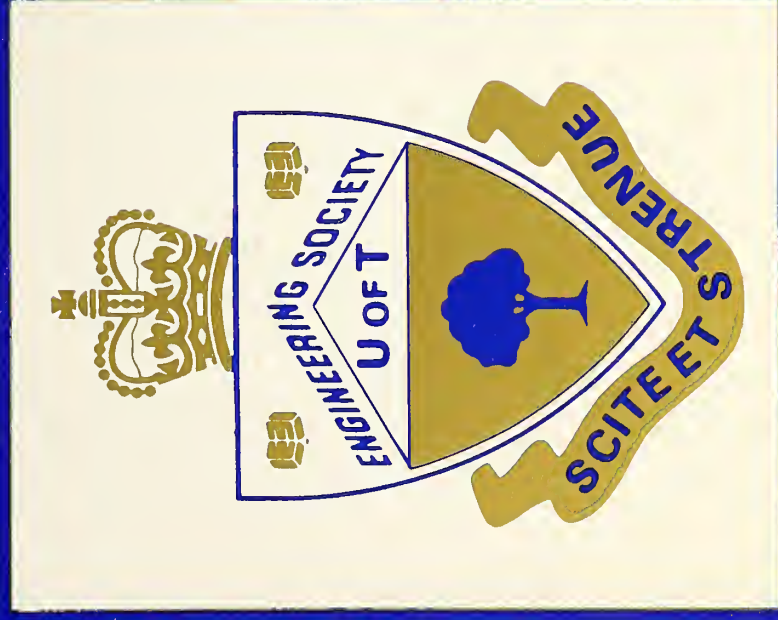


84-85

Skule®

Handbook And Calendar



Centennial Edition

A NEW DIMENSION.



BLUE WITH A TWIST.

A new shape of Blue. A new twist-off cap, making your Blue easier to get to. Keep on smiling.

UofT Engineering Presents:

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Much gratitude and appreciation go to Mary, Jeanette, Nick, Murray, Joe and Barry. Without their knowledge, skill, advice and help, this publication would not exist. Thanks very much!
This has been yet another SKULE® publication.

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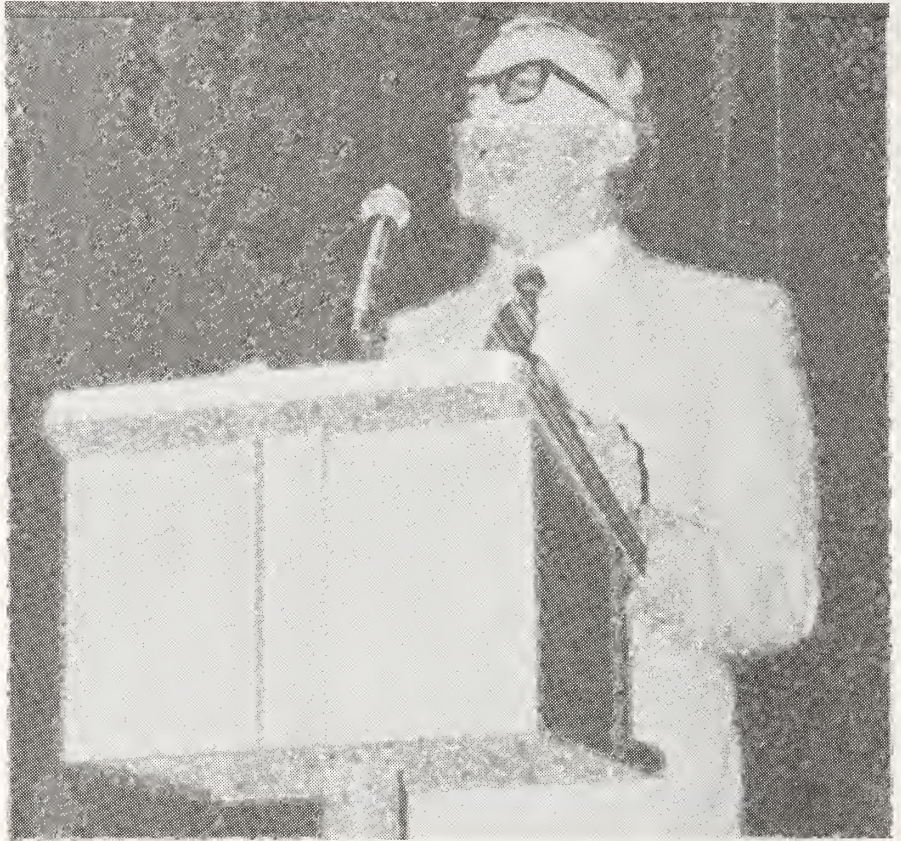
A Message from the Dean

To those of you who are entering undergraduate engineering studies, I welcome you to the Faculty of Applied Science and Engineering and hope that you will find your life here to be both profitable and enjoyable. Four years may seem like a long time ahead, but you will find it little enough to acquire the concepts, skills and insights which you will need in your continuing professional career.

To those of you who are returning, welcome back! In these difficult economic times, many of you will not have been able to get the engineering experience or the income you desired during the past summer. All indications point, however, to an economic improvement and several leading industries are predicting a shortage of engineering graduates within the decade. Now is a good time to be engineering students preparing yourselves for demanding professional responsibility in the growth and development years ahead.

Canada has special needs for engineers at this time as it converts from a largely resource or branch plant industrial approach to an ability to compete in advanced technology in world markets. We need to develop further our competence in creative design, based on research and development and on **acute sensitivity to the needs of the marketplace**. In particular, we need to respond effectively to the opportunities made possible through computer technology. Graduates in all engineering programs must increasingly become expert in computer applications within their disciplines.

The number of engineers needed for the application of computers in business, government and industry — **including our important resource industries** — will, in my view, vastly exceed the number required to develop new computers. Thus, while many good "computer engineers" will be needed, essen-



tially all engineers will soon become "computer applications engineers".

Most employers express considerable satisfaction with the technical competence of the graduates they employ. Their most frequent complaint relates to the ability of our graduates to express themselves clearly and concisely, both in written and oral form.

Some studies have shown that engineers spend more than half of their time communicating. In the interests of success in your future careers, I hope that all of you will take every opportunity to develop your communications skills.

Although our student/professor ratio is about the same as in smaller engineering schools, the size of our Faculty is such that we must depend largely on student initiative in approaching professors for assistance and advice. While the professors are usually very busy with their teaching, research and community

service, they give high priority to individual consultations arising from such approaches. It is part of your responsibility and also a part of your professional conditioning that you seek help when needed. And, when you feel it appropriate, do not hesitate to contact one of the Associate Deans or myself.

This will be a very special year in the life of the Faculty. The Engineering Society, the oldest in Canada, celebrates its Centennial with a year-long series of events — eminent visitors, student conferences and an attempt on the world speed record for bicycles. I encourage all of you to take full part in these celebrations of the continued vitality and spirit of Engineering.

With best wishes for your success and satisfaction in the coming year.

Gordon R. Slemon
Dean

President's Welcome

Welcome to another season of SKULE®. For those of us who are returning it seems, as it always does, that it was such a short time ago that we said farewell to last year. To the Frosh, who are just entering, congratulations on your acceptance and welcome to our anniversary party. As you are well aware, we are the oldest organized (some say disorganized) engineering group in Canada, and we're very proud of it.

As part of our celebrations we are planning a lot of new events and activities. The Centennial Design Committee is busy developing the world's fastest human-powered vehicle; fantastic non-existent BFC capers are being planned; and the huge alumni mega-occasion is already being planned for next June. Old, long forgotten traditions are being reintroduced and the existing traditions such as Orientation, Homecoming and Cannonball are being vastly enhanced. I know. I'm beginning to sound like a Detroit automobile commercial, but

if it helps to sell you on the Eng Soc, then what the hell!

The next four years will be the most important years of your life. I say that with the utmost confidence.

You will learn (hopefully) how to solve complex problems involving structures, electric circuits, and chemical compositions. Very few people will possess your skills. You will also acquire the most important skill anyone could ever possess: the ability to communicate an idea. Nobody (except a few profs I know) can get through life without it. And how, you may ask, can you acquire this skill? Well, I know of no better way than to get involved with the Eng Soc. The Soc provides you, free of charge, with the opportunity to organize events and conferences, publish magazines, run a full-fledged corporation (as well as run amok), and generally hang around with a lot of really competent people. It is a well-known fact that the vast majority of engineering graduates spend only a very short time actually applying what they learned in



the classroom. The other 30 — 35 years are spent communicating with other people, mostly on non-technical subjects. So do yourself a favour and get your education early. Get involved in the Engineering Society.

I hope to see you soon.

**Scite et Strenue
(Skillfully and Vigorously)
Bill Hollings
Engineering Society President**

Editors' Preface

Welcome all frosh to the faculty, and welcome all to the Engineering Society's Centennial. One hundred years of existence is definitely something to celebrate — and what a celebration is in the offing. Special pubs, a special staff-student-alumni dinner, a grand homecumming and much more constitute the party. All that is lacking is partyers, and we all know that since engineers are the best partyers on campus (we need to be, damn it!) that none of these events will have low attendance figures.

In other words, consider the Centennial a special opportunity to get involved. It is sad but true that as entrance requirements for the faculty have risen over the past few years, the level of participation in Eng Soc activities has dropped markedly. We have much too an illustrious past to let this trend continue. Getting involved does not

necessarily entail great responsibility, nor does it mean great time expenditures. It simply does not take that much to be active — visit the Suds pub once in a while, go to an evening pub, watch a football game (they're on week-ends, you know). Join the Skule Stage Band, or, if you lack talent, join the LGMB. It only takes a few minutes to edit an article for Engineering Communications, whether it be for the Toike or for the Cannon, and any time that you can make it, lay-out staff are needed for all publications. How about helping the Social Committee organize events, or helping the Centennial Committee plan its activities? The Blue and Gold Committee could use people to build the Homecoming float, and the BFC (which is imaginary, by the way) is always on the look-out for those few good men and women who have

the ability to paint under starlight.

Most of you will be here for four (hopefully not longer or shorter) years. This is a large faculty and an even larger university — nobody is going to take your hand and lead you around; but since you're engineers you don't need any such guidance anyway. You're going to go out and get involved yourselves. You're going to enjoy life at Skule®, and at the same time show the rest of the university that engineers have a damn good reason to wear blue leather billboards which loudly proclaim their chosen field of study. You're going to do so or remember the next four years as nothing but a mess of problem sets, midburns, finals, migraines and gastric ulcers. The choice is yours — make the right one and best of luck to you.

**Carol Low
Timo Makinen**

Engineering Society



The Engineering Society, Canada's oldest engineering organization, was formed in 1885 and will celebrate its centennial in 1985.

Since its inception, Eng. Soc. has undergone many changes. Its first president was John Galbraith (named after a famous university building), the Dean of Engineering at the time. It's first undergraduate president was H.E.T. Haultain (also named after a famous university building) who followed directly after Galbraith.

The goals of this 35 member society included the encouragement of original research in Engineering, the preservation and dissemination of the results of such research, the culmination of an attitude of mutual assistance and co-operation among its members both in preparation for and in practice of the profession of engineering. As well, it was an official means of communication between the students and the faculty, the university and other student bodies. The latter has become more prominent since the First World War.

These early societies held regular meetings for the purpose of presenting and discussing technical papers. These papers were published by the Eng. Soc. and led to the creation of an Engineering Library. Though the library is no longer a

direct concern of the Eng. Soc., many other groups formed by and associated with the Society are still thriving.

The Engineering Stores began in 1888-89 as the Supply Department, a small room to house the Society's books, papers and property. Not until 1891-92 did it begin to sell supplies, such as drawing paper to students. By 1908 it had acquired a permanent employee to buy and sell goods. Today, 'the Stores' is no longer a part of the Library and is a major supplier of school equipment with a student management and a permanent employee — namely June! (jeez!)

Originally, course clubs were established as debating clubs and now have evolved into the social organizations that exist today.

Academics have always been a major concern of the Society. It has voiced its opinions and criticisms of the curriculum and staff long before student parity in governing the University was considered important. The Society's actions, though quiet, are often effective — witness the number of students on Faculty Council.

A lively portion of Skule's history is tied up in the capers and rivalries of old. Capers were more spectacular, and taken much more lightly. Records of floods, painted artsmen, and kidnappings all at-

test to this. Today, capers are under the jurisdiction of the (non-existent) B.F.C. and are as creative and as daring as ever.

The L.G.M.B. is a relative newcomer to the realm of Skule music. Its predecessor, the Toike-Oikestra, was formed in 1911 although singing and instrumental groups have existed in Skule as early as 1901. Formed in 1948, the L.G.M.B. has varied in size — from $\ln(X^n)$ to 250 at some football games — and has been officially recognized by the lord mayor of Coventry. Presently the L.G.M.B. has a number of musical merits to its credit, but in spite of these, remains its merry (a lovely girl) making self.

1920 saw the beginning of Skule Nite when the Eng. Soc. appointed a committee to organize a Stunt Night. The first annual "Ngyrns in SPaSmS" was held in Massey Hall before an audience of 1343 with music by the Toike-Oikestra. The Skule Nite productions stopped in 1960, but was revived with great success in 1973 and now plays to a packed house in Hart House Theatre for three or four night runs.

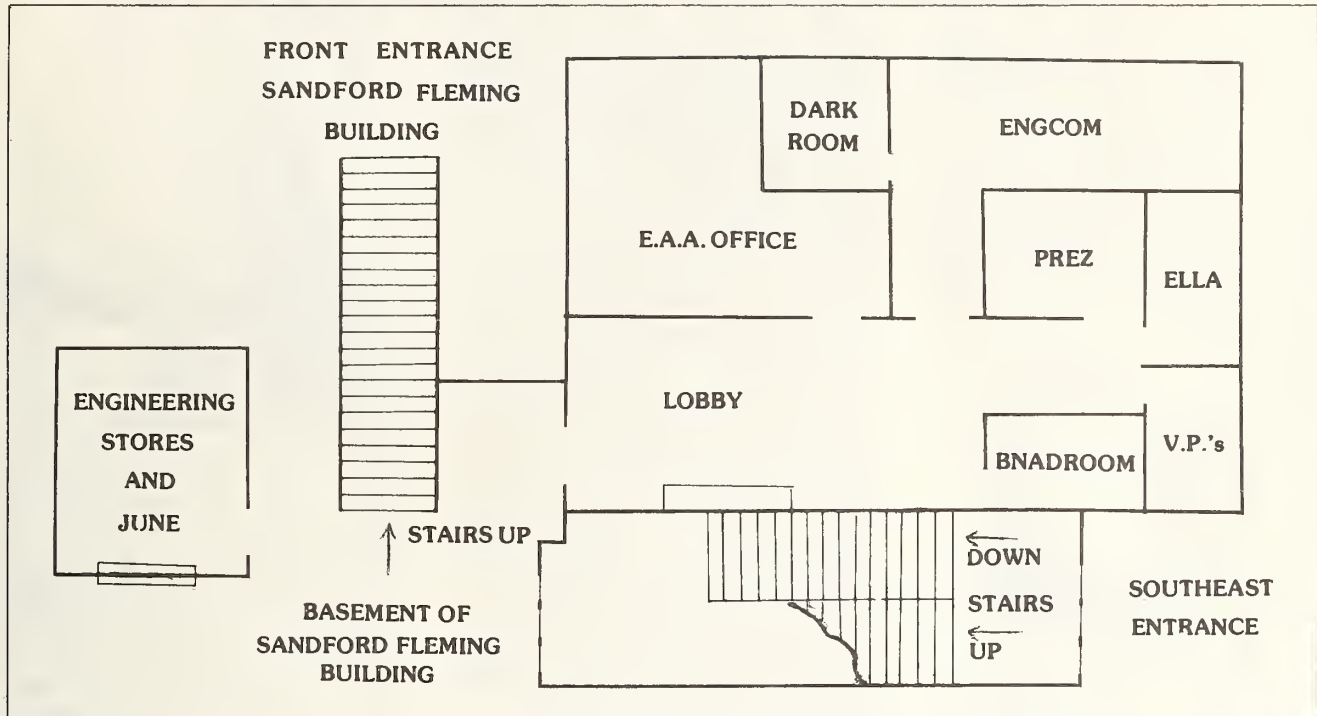
The birth of the now infamous Toike Oike was as an election pamphlet for the Eng. Soc. elections of 1906. It died during the First World War, but was reborn in 1920. The 70's saw a change in its format to the tabloid format that is loathed and hated today.

Another event that was initiated as a result of the Eng. Soc. elections was the Chariot Race. Formerly an indoor event, the race was to celebrate the elections and the prize was, and still is, the *Jerry P. Potts Trophy*. Today's chariots are somewhat larger and the participants better armed and armoured.

The Eng. Soc. has evolved from a social sort of club to a fully operational student government. The number of committees and events have grown, but it still remains a strong link between students, staff and graduates.

The Engineering Society in the past year has performed yet another first; it is the first society of its type to incorporate. After several years of planning and consultation with the Society's lawyer and various government departments and the APEO, we were given the go ahead to formally become incorporated. Thus, on March 31, 1982, the papers were signed in the presence of the Engineering Executive by John Voss, the V.P. administration, and John Burns, the previous year's V.P. administration. Thus the Engineering Society has taken a large step towards becoming a more professional organization, acting as an entity rather than a mob of students.

'Round the Soc



Now that you know what the Soc is, you may well ask, "Where is it?" For all those who need enlightening, we have graciously provided a map to guide you to us.

Up until the 1982-83 academic year, the Eng Soc was housed in a decrepit structure known as the Old Metro Library (also known as "The Hole", "The Dump", "That Eyesore"). God and Simcoe Hall willing, the Soc was finally relocated in the new Sandford Fleming Building. Although we no longer have to be on the lookout for crumbling plaster ceilings and man-eating cockroaches, we now have to contend with a flourishing ant colony!

The Soc, tucked away in the south-east corner of SF's basement, Room B670, is the place to find those talented and enthusiastic people who organize and run events **your** money has paid for. The five executive officers have their offices here, as does Ella, the Communications Committee, the Engineering Athletic Association and the infamous Band. All other important people, i.e. committee chairmen, course club chairmen and class reps, have their own mailboxes just inside the main door. Here you will also (usually) find a student's best friend — a photocopier.

Our president, Bill Hollings, can

often be found working diligently in his executive office. The door is usually ajar, so stop by and say hello sometime. The Vice President of Administration and the Vice-President of Activities share an office, and if you can wallow through the piles of papers and crawl over the empty beer cases, you can ask them about anything to do with administrative matters or society events.

Richard Fofana, the Treasurer, and Susan Rocheford, the Secretary, presently share Ella's office.

Also in Ella's office sits, of course, Ella herself (gosh!). Now Ella is not merely a secretary; she is our resident miracle worker, the glue that holds the Soc together, and the one who knows who and where anybody who is somebody is. And, if you ask her nicely, she just might tell you.

The hard-working souls of the Communications Committee can often be found burning the midnight oil in B670E. ENGCOM is the home of the *Toi ke Oike*, *The Cannon*, *The Book of Skule*, the Handbook and Calendar, and countless other large and small publications, posters, pamphlets and papers.

Next door to ENGCOM in B670A is the formerly spacious, but now stuffed with equipment, abode of the E.A.A. Visit the President, Bruce

Dow, if you'd like to be a jock or jockette.

Last, but not least (because they are the noisiest), is the Bnadroom, packed to the ceiling with instruments, hard hats, bnad sweaters and various "souvenirs" amassed from countless road-trips. For those who are musically inclined (and especially for those who aren't) and who are interested in having a good time, this is a good place to frequent.

Immediately across the hall from the Eng Soc in B720 are the Stores. Pay June (jeez!) a visit for Skule supplies and other stuff like t-shirts and rugby sweaters. To make life easier for Frosh, the Stores stock most, if not all, first-year texts and graphics equipment.

Now with all the money you saved by buying your stuff at the Stores, you will be able to grab a freshly baked donut or a plate of crispy fries in the cafeteria. Much to everyone's surprise, the food in this new cafeteria is quite edible and usually reasonably priced.

If you find it hard to believe that this small corner of the Sandford Fleming Building could be such a beehive of activity (and even if you don't), check it out for yourself. Whether it's a burger, a book or a buddy you are looking for, this is the place to be.

Academic Survival

So, here you are in your first year of UNIVERSITY and you're probably wondering about a lot of things ("What is life?"); mainly, "How can I survive at U of T?". Well, university is not quite as bad as you think it is. It's just . . . different. Anyway, after ten or so years of collective experience (doing it wrong first?) and many, many updates, here are some ways to survive and get that DEGREE and IRON RING.



Books and Equipment

One of your largest expenses in the next few weeks is for BOOKS and EQUIPMENT. One of the best bits of advice we can give you is: "Don't rush out and buy all your books the first week." Find out first if your prof is going to assign problems from it or refer to it in the lectures. Some texts, in the past, have languished unused on shelves. Sometimes alternate texts are far superior and others are referred to quite a bit and will prove helpful. Also, make use of the Schaum's Outlines which cost much less than the text and are often much more valuable for the problem oriented courses ie. Mechanics, Calculus, Algebra, Electricity etc.

When you do come to buy your books, you will find them all, along with Schaum's, at the ENGINEERING STORES at the lowest possible prices. You will also find a good selection of calculators at the Stores. A good calculator is essential, but remember the *continuous memory* and *card program-mable* calculators are not permitted in exams, so if you have one, you'll have to beg, borrow, or steal an acceptable one for the exams.

Lectures

We hear that in high school they still ask the students to show up for most classes. However, as you've probably heard, that's not the case with lectures here. We have yet to meet an Engineering prof who takes attendance at lectures,

so you can skip a few and no one will be the wiser. This does not necessarily hold true for courses from other faculties such as Arts and Science where just putting your body in the classroom can be worth marks. But why skip a lecture? Well, some are clearly a waste of time (for example, the ones where the prof teaches straight out of the textbook and can't answer any questions) and at university your time is at a premium, so use it wisely.

However, that seemingly irrelevant material covered during those boring lectures may not seem so useless during the last weeks before Christmas or the period around the end of April or, for that matter, around mid-summer when you do get your results. Some profs have a habit of leaving half of the course material to the last few weeks, then basing the exam almost entirely on it; so beware again.

If you do miss a lecture, you'll have to copy someone's notes. Make sure he or she takes good notes, because that will be the only record of the lecture unless you're into tape recorders. Bad, unreadable or incomplete notes can become quite a handicap around exam time.

Regarding class participation, do it! The odds are very good that at least ten (or fifty) other people in the class have the same question. However, don't bother putting up your hand to correct the prof's spelling (or pronunciation). By the way, if you do have a question, and the prof can't see your hand, say "Question".

Labs

Speaking of skipping things, don't skip labs! If you miss one (they do take attendance) you will probably have to make it up (sometimes on a lunch hour) in order to get credit for the course. If you



don't, you may see 'incomplete' in your results . . . "For the want of a nail . . . the kingdom was lost."

DO the lab prep! The lab should then take care of itself — if the equipment doesn't self-destruct, that is.

The lab assistants can never seem to spend enough time telling you to keep a neat lab book. Take the hint: neatness counts. In addition to helping your lab mark, a neat lab book is easy to study from. Remember, there IS lab stuff on the exam.

Tutorials

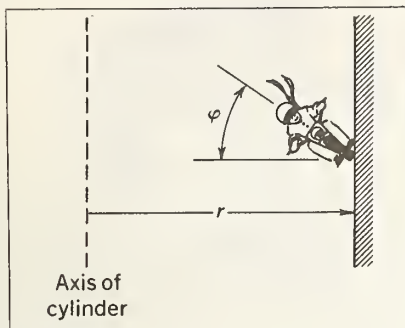
After your first tutorial, you may believe that these problem-solving periods are completely useless. (Or you may not.) Actually, a tutorial is a great place to get those pesky, God-damned, son-of-a-bitch problem sets out of the way. If you do them in the tutorial, you'll have the evening FREE! (To do other problem sets).

As for T.A.'s . . . what is a T.A. you ask? Well, it stand for Tutorial Assistant among other things. T.A.'s are usually fourth year or graduate students, and most of them do know more about the subject than you do (most of the time, anyway). Ask them questions! They are there to help you!

Problem Sets

Most of the work here, outside of note taking, studying and the occasional experiment, will involve solving a specified number of problems to be handed in at a set time and marked.

The importance of these marks varies wildly, but generally the problem sets are teaching tools, not examinations. If you do nothing else while you are here, do the problem sets — you'll probably pass with ease. If you haven't got them



done on time, tell the demonstrator or prof, and ask for an extension — then at least he won't be angry with you (too much).

Even though problem sets are often your only method of self-assessment, virtually everyone has copied part of one (or worked in a group on a supposedly independent effort) at some time or another. Let us caution you, however, from falling into the habit of copying whole sets on many occasions. When the exams (which count for a lot more) come, you are doomed! And you don't fool anybody during the term, either.

Professors

Despite what you may think, profs do know more about the subject than you do. They have no vested interest in destroying any of you, however, they are human and subject to some very human hang-ups.

One problem they have is that with no training in teaching, they often have trouble in establishing communication. Many tiny hassles develop into major confrontations simply because no student would go to the prof's office and explain that the method of handling a problem set was unworkable or that his writing on the board was unreadable from the back of the second row. The best way to avoid even these efforts is to take part in the staff-student *smokers* and get to know the staff and other students. Remember, profs are human too.



There may, however, be some situations which no amount of friendly communication will help. When this happens, run, don't walk to the Faculty Office and ask to see P.M. Wright, the Chairman of First Year Studies. He not only has the power to effect change and wants to help, but he is one of the friendliest people you'll meet at the university.

Budgeting Your Time

Ah . . . *this* is the key to survival. You have a lot of work to do in a finite amount of time. Here are some ways to get the most out of that time:

Set priorities. 'Work' (passing, marks) comes first, then comes 'Play'. Also, don't spend hours on a miniscule problem set when you have a 30% midterm the next day.

Don't get behind in your work. Having said that, we admit (once we stopped laughing) that everyone does get behind sooner or later and must catch up. This is possible, barely.

Do your work steadily. The Faculty says you should do about eighteen (18) hours of work per week in addition to classes. Space out the work fairly evenly.

Please don't 'cram'. It's not good for you or your marks. Neither is 'pulling an all-nighter' on a computer program or something. You will be somewhat exhausted for the rest of the week, then have to pull another all-nighter to make up for the work you didn't feel like doing, then . . .

Use the course outlines given to you by your professors in the first week. If one does not appear to be forthcoming, ask for it. It helps you set your priorities (mark-wise) and helps you pace yourself each week. Mark down the dates of tests and assignments on a calendar (your Skule calendar is a good choice!) so you won't forget to prepare for them.

When (unexpectedly) you feel an urge to do some homework, do it! That's when you can do your best. Some people are at their best in the morning, some in the evening, etc. If you figure out when your best working and playing times are, and you use them to your best advantage, you will be well ahead of the game.

By the way, if you have to commute, try to do some work on the bus or subway. Nobody will bother you, and remember, it is wasted time otherwise.

As for the Christmas holidays and Study (Ski) Week, plan on getting nothing done during these periods, because that's exactly what will happen anyway.

Finally, make friends. They are a good source of help on a problem set, among other things. You just may be able to survive on your own, but do you really want to?

All of these strategies may not work for you. Try them and find what works best out of what we have mentioned and tailor it to yourself. To work out your own solution just remember this — **DO THE WORK** and develop an **EFFECTIVE WORK HABIT**.

Exams

Exams are virtually all made up of problems, not essays. This means it is really possible to get zero or some other incredibly terrible mark. Oftentimes you will leave an exam convinced that the proper course of action for you is to transfer to a basket weaving course at some community college.

Ah, but if an exam consists of a lot of problem-type questions, wouldn't you do better if you did your problem sets beforehand? Hmm.

Nearly all profs believe that the mark distribution should average somewhere around 65-70%. The marks are usually 'adjusted' to fit, so what really matters is how badly you did in relation to the rest of the class. (If everyone else failed too, then your zero looks only half as bad.)



Just In Case

One often walks into an exam feeling terrible. If there is a good medical excuse for this, or even if it is just exam nerves, take advantage of the provisions for petitioning the Examination Committee.

The way this is explained in the Faculty calendar, you get the impression that extensive hospitalization or death (yours) might, just possibly, be acceptable petition subjects, sometimes. In reality anything from a bad trip to a bad cold is legit and worth the short walk over to the Health Service. It costs nothing and may be worth quite a few marks. Do your petitioning at once, however, since they somehow suspect petitions which arrive simultaneously with the receipt of the final marks.

So, there you are: Everything you need to know . . . All that we can say now is "good luck; if in doubt, ask"; and "success occurs when preparation meets opportunity". Every problem set, midterm and (ugh) exam is an opportunity. Prepare and ye shall succeed.

Murphy's Laws



1. **Murphy's Law** — if anything can go wrong, it will.
2. **Patrick's Theorem** — If the experiment works, you must be using the wrong equipment.
3. **Skinner's Constant** — That quantity which, when multiplied times, divided by, added to, or extracted from the answer you got ... gives you the answer; also known as Finnegan's Finagling Factor.
4. **Homer's Five-Thumb Postulate** — Experience varies directly with equipment ruined.



5. **Flafle's Law of the Perversity of Inanimate Objects** — Any inanimate object, regardless of its composition or configuration, may be expected to perform at any time in a totally unexpected manner for reasons that are either entirely obscure or else completely mysterious.

6. **Allen's Axiom** — When all else fails, read the instructions.

7. **The Spare Parts Principle** — The accessibility, during recovery, of small parts which fall from the work bench, varies directly with the size of the part ... and inversely with its importance to the completion of the work underway.

8. **The Compensation Corollary** — The experiment may be considered a success if no more than 50 of the observed measurements must be discarded to obtain a correspondence with theory.

9. **Gumperson's Law** — The probability of a given event occurring is inversely proportional to its desirability.

10. **The Ordering Principle** — Those supplies necessary for yesterday's experiment must be ordered no later than tomorrow noon.

11. **The Ultimate Principle** — By definition, when you are investigating the unknown you do not know what you will find.

12. **The Futility Factor** — No experiment is ever a complete failure — it can always serve as a bad example.

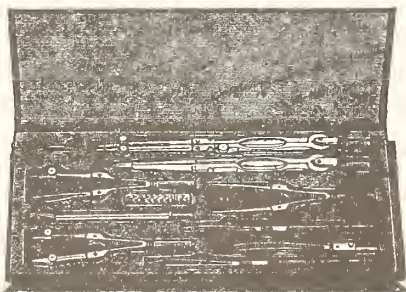
Not for F!rosh Eyes Only!

The Engineering Stores

FOR ALL YOUR SKULE NEEDS!



First Year Textbooks
 Drafting Supplies
 Stationary and Skule Supplies
 Engineering T-Shirts and Rugby Sweaters
 Schaum's Outlines
 Calculators
 Lots of Other Stuff
 at the Best Prices on Campus



Located in the basement of the Sandford Fleming Building.

Shinerama

Shinerama. What's it all about? Shinerama is the annual shoe-shining blitz held by students across the country to raise money for Cystic Fibrosis research. Shinerama is fun, good times, and very worthwhile. It is a chance to get to know people at the University, a chance to get to know Toronto, and a chance to take pride in a job well-done. Money from our shoe-shining campaign goes towards research for detection, treatment, and cure of Cystic Fibrosis, a disease which is the second largest (next to cancer) killer of children.

So, why Cystic Fibrosis? There're lots of other groups we could sponsor. Well, here are some facts. CF is contracted genetically so that every one in twenty people is a disease carrier. That amounts to at least 33 of our 650 Flrosh. If two carriers have a child, the odds are



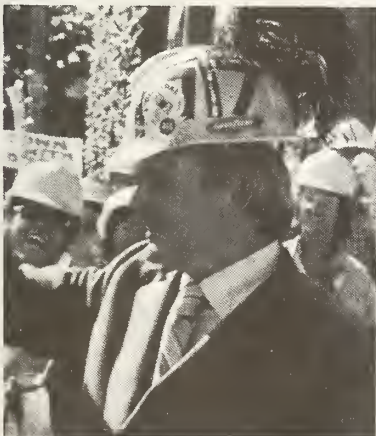
25% that the child will have C.F., 50% that the child will be a carrier, and 25% that the child will be unaffected. At the present time, there is no way to tell if you are a carrier. Bad facts, you say? Well, on the other hand, since U of T became involved in the Shinerama program (1969), the average lifespan of a CF victim has increased from 4 to 23 years. Our work is paying off. Be proud that you've been a part of such a worthwhile cause.

Chris Harris
Co-Chairman
Shinerama '84

Know Your Hardhat

It has been said that the brain of the newly arrived Flrosh is one of the most beautiful things in the world. Pristine and unsullied by thought, the Flrosh brain is ready to receive the vast quantity of knowledge to be inflicted on him (her or it) in the next 4 (5, 6, . . . n + 1) years.

Unfortunately this most perfect instrument can easily fall victim to the violent physical and semi-intellectual attacks of artsies, meds, and suchlike inferior beings.



To this end, the powers that be (Eng Soc) provide each and every fee-paying Flrosh with a water resistant, shockproof, mystically powerful hardhat. A hardhat is the Skuleman's most valued possession, surpassing even his calculator or Metropass.

Within the hierarchy of Skule, there are many types of hardhat, all of them denoting some rank or lack thereof.

White: A powerful and pure colour bestowed only upon those destined to lead the mighty machine of Skule.

Blue: The mythical blue hardhat is issued to those who serve in the mythical non-existent and wholly denied BFC. Wearers of this head garb are selected for their courage and tenacity.

Yellow: The colour worn by all other Skulemen. While not a badge of office, it does signify the Skuleman's superiority over all other life forms ranging from the amoeba all the way down to the tiniest artsie.

Black: The most holy of all, the Black is only worn by those who serve THE MIGHTY SKULE CANNON. These hats are to protect the wearers from the numbing blast of their charge.

Orange: The orange hardhat symbolizes those elected few - *The Committee Chairmen*. These leaders are responsible for the various activities and events which characterize our beloved Skule®

Green, Red, Dark Blue and Brown: The colours of the scribes of Skule.® These scholars are charged with the faithful, knowledgeable and true recording of the history of the Engineering Society. Green is for the *Toike Oike*, Red serves the Cannon, Dark Blue is of *The Book of Skule*, and Brown is for *The Handbook*.

Beige: Deeply concerned over the Skule man's/woman's health and mental welfare, the beige hardhat is worn by those fun-loving souls, the Skule Pub Managers.

Skule Spirit!

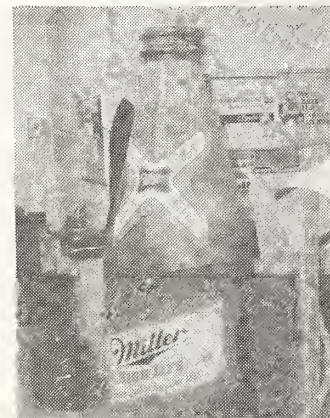


ming (sic) float (Oh no, not again!), and the other is Godiva Week.

Although a parade float doesn't require much explanation, it should be noted, however, that the Faculty of Engineering, spear-headed by the B&G Committee, has for the past two years won the prize for best homecumming float. The same result is planned for this year's entry, so I want all you high-spirited (or just high), creative f'rosh out to help design and build it.

Godiva Week, in turn, is a fun-filled extravaganza that occurs the first full week of January. (That's right, the month after December). All sorts of spectacular activities abound during Godiva Week, and they must not be missed. (Nor will they be missed, right f'rosh?). The week begins on Monday with Godiva's resurrection, and continues with boat races, winter baseball, a gang bang, and more. The grand finale is Friday, and consists of Godiva's burial in the after-

noon, and her wake in the evening. (For you non-Irish types, the latter is an evening pub with good company, much jocularity, and many types of potable fluids).



So, if you have any questions, or even better, if you want to help, look for me. I'm hard to miss — I'm the one in black leather and cheap running shoes.

Franco Minatel
B&G Chairman

Hello to all f'rosh, and also to any upperclasmens that might be reading this. The Blue and Gold (B&G) Committee is the spirit committee of Skule®, and has two major functions in life. One is the construction of the homecum-

Engineers' Glossary

APSC — abbr. Applied Science (you figure it out).

BFC — a mythical organization that does not exist, never did exist, and never will exist.

BNAD — see LGMB.

Bunny - Eng Com's resident herbivore.

Cannon — symbol of Engineering might. a.k.a. THE MIGHTY SKULE CANNON. Guard it with your life.

Cannonball — annual Engineering semi-formal, find a fun person and cum.

caper — refer to BFC (note — this term has absolutely nothing to do with the BFC).

death row — Bloor St. between St. George and Avenue Rd. It's amazing what can be done to perfectly good food.

dog — domesticated four legged animal, sometimes found with no nose. see SMELL.

Ella — (gosh!) she who really runs this place; can be found in office one down from June (jeez!).

F! — abbreviation for everybody's favourite four letter word. adj. F'ing.

F'rosh — see F!

Fort Book — known to some as the Robarts Library; known to others as *Big Ugly Thing*.

Fort Jock — a place to jock or find 'she jocks' (jockettes). To get a jock's attention (as if you'd want to), yell FUMBLE!

gang bang — a competition where impotent pretenders challenge THE MIGHTY SKULE CANNON.

Gumby - He was once a little green slab of clay...

Joe E. Skule — Legendary Skuleman. First BFC Chief.

June — (jeez!) found behind the counter at 'the Stores'. Smile!

LGMB — Lady Godiva MEMORIAL Band. see DOG.

make-up — publications function including the creation of articles, disposal of beer and similar acts of literary greatness.

nurs — syn. nurse. Be nice now!

perma-f'rosh — see retreat.

Pokey - Gumby's pony pal.

retread — see permaf'rosh.

SAC — sux.

Shinerama — one of Skule's favourite charitable events.

Skule — (note *metric* spelling) your home for the next four years (God and Faculty willing).

Skule Nite — syn. 'Skell's Nite'; a musical comedy revue. Try out even if you have talent.

smell — how does he, do you ask? see TERRIBLE.

smoker — cheap beer, state of the art skin flicks, drooling classmates and profs.

SPS — abbr. School of Practical Science.

steam tunnel — for troglodyte f'rosh only. see also EXPULSION in the Faculty Calendar.

terrible — you guessed it.

The Stores — the Engineering Stores. The place to get stuff cheap.

upperclasmens — grown-up (?) f'rosh.

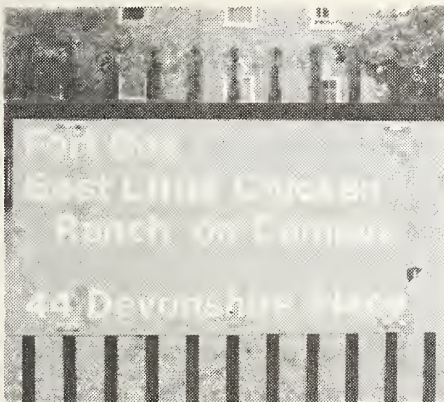


BFC

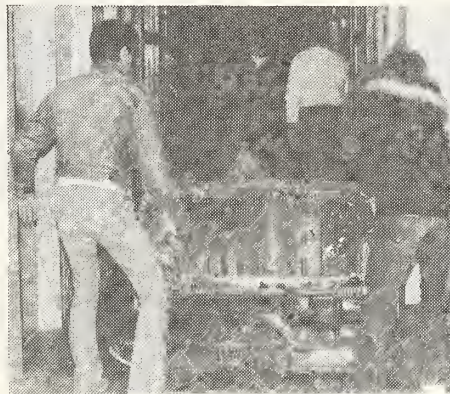


HELP WANTED! VALUABLE ENGINEERING EXPERIENCE!

Courageous, tenacious SKULE® men/women. Applicants must have a keen interest in painting, interior decorating, and putting mysterious things in high places. If you have a talent for making inanimate objects (ie. beer or yourself) disappear, for striking fear into the hearts of feeble artsies, or for having your own art?work?? defy laws (such as gravity), then your services could prove advantageous to the mythical, non-existent, wholly denied



BFC! - COMING SOON TO A LOCATION NEAR YOU - YES, THE LEGENDARY BRUTE FORCE COMMITTEE WANTS YOU!



Deep below the vast oblivion of the University Campus, in the catacombs that time forgot, lie the headquarters of the only imaginary organization which is known to strike terror into hearts the world over. From these headquarters, a close-knit team of fearless specialists plan and carry out operations of unparalleled sophistication.

Under the leadership of the infamous **CHIEF** and his mild-mannered assistant, the **CHIEF'S ASS**, seven tyrants preside over their respective ministries:

NOCTURNAL EVENTS, IGNORANCE, WEALTH & HELLFARE, DEFENCE, FIAC-TOTUM, COMMUNICATIONS, AND EVERYTHING ELSE.

POSITIONS AVAILABLE:

Informants (one per class)
Blinded Dog Squad members
Members at Large
RESTRICTIONS:
Engineers Only!



QUALIFICATIONS:

See above
Previous experience not an asset

HOURS:

Varied

DUTIES:

To Glorify the Engineer
To Vilify the Artsie
To Ensure Security at ENG SOC Events
After initiation, all are eligible.

To join in such fun, frolic, and cultural exchanges as the filling of the University President's office with pumpkins, the refitting of the SAC dome with Mickey Mouse ears, or the purloining of the Waterloo Pseudo-engineers' mascot, the **RIDGID TOOL** (twice!), simply leave a resume with your name and phone number with an informant in a blue hardhat, or in the BFC mailbox in the ENG SOC.

DA CHIEF



The triple-prize winning, quadruple record setting, CN Tower / Eaton Centre / Spadina subway opening, wedding and parade crashing, shoe shining, record and coke selling, Flrosh orientating, tour bus captivating, halftime entertaining, trophy presenting, caper leading, chariot race starting, Grad Ball disrupting, rocket launching, polka playing, blood transfusing, alcohol infusing, crowd amusing, music abusing, national television newswing, troll mask using, money losing, talent oozing, Jingle Bell Rock and Alley Cat fusing, impostor band accusing, beer choosing, event confusing, record contract perusing, street car cruising, sheet music misusing, drums stick disusing, monk enthusing, Toike and Book of Skule editor excusing, Mickey Mouse bemusing **LADY GODIVA MEMORIAL BAND** proudly presents.....



Lady Godiva Memorial Band

Can you play The Minute Waltz on harmonica in under four hours? When you play Stairway to Heaven, does it sound more like Trap Door to Hell? If you're heavily into creative noise (or even if you're musically inclined), then the **WORLD FAMOUS, TRIPLE PRIZE WINNING, QUADRUPLE RECORD SETTING, ARGO CHEERING, CN TOWER, ROY THOMPSON HALL, EATON CENTRE OPENING, AND SUBWAY CLOSING, LADY GODIVA MEMORIAL BNAD** is for **YOU!**

OUR GLORIOUS HISTORY:

In the past, the LGMB has been known as a shit-disturbing, drunken bunch of rowdies who caused more riots than they played songs. More recently, the Bnad has gained more of a reputation for cacophonous flatulence (unh, music?), and unsurpassed spirit (as well as for consumption of same). It has been said (really!) that no event or party is complete without the LGMB. Of course the LGMB still causes riots, but we are now protected by Engineering's mythical equivalent of the Audobon Society (the organization dedicated to the preservation of wildlife).

HOW TO JOIN/WHAT YOU GET:

The BNAD plays at all football and hockey games, plus at any

other events we want (and to which we are not necessarily invited). Everything is free! This includes admission, transportation, and even free food and **ALCOHOLIC BEVERAGES**. We'll even pick up the tab for instrument rentals if you are not up to buying a \$500 Bach horn. These freebies may also include all-expense-paid trips to Kingston, and perhaps even to Montreal.

So that all this can be yours, all you have to do is to show up at Hart House Farm on Sunday, September 9th. This outing is part of your Orientation activities, so you

should already be planning on going. This is the one and only practice (with music and everything!) all year, so don't miss it. If you're a wimpy poofter and do miss the Farm, you could instead put your name on the LGMB board in the Eng Soc (SF B670), or you could simply just show up at any event. Watch the aforementioned board for details.

See you soon in Music Depreciation 101F!

**Mark Diedrichs
Dan Mackinnon
Bnad Leaders 1984-85**





Cheers!

KNIT ONE

Knit one, purl two,
-----, Yoo hoo!

MATHIES CHEER

$e^x dy/dx$
 $e^x dx$
secant, tangent, cosine, sine
3.14159
Square root, cube root, Q.E.D.,
Slip stick, slide rule, pphht U.C.!

GO GET'EM

Go! go! get'em! get'em!
Ooh! Aah!
(start slowly, then repeat faster until
satisfied)

TWO-WORD CHEER

Awww.....SHIT!

MEDS CHEER

Regurgitate, regurgitate,
Bring up all the food you ate!
Vomit, vomit!
Yayy...Meds!

TRINITY CHEER

Crumpets and Tea,
Crumpets and Tea!
We're the boys from Trinity!
We're not rough,
We're not tough,
But boy! Are we sexy!

Guide to Creative Noise

Songs

BE AN ARTSMAN!

Be an Artsman, be intellectual;
Be an Artsman, be homosexual;
Be an Artsman and you will be a queer;
For you'll never be an Engineer!

WASHINGTON AND LEE SWING

When marching bands and policemen fall in line
We've got to win a game another time
And for the Blues I yell, yell, yell, yell, yell,
And for the university I yell like hell!
We're gonna fight fight fight for every yard
Circle the ends and hit the line right hard,
And roll the enemy upon the sod,
Rah, rah, rah!

MAILMAN

I am happy, I am gay;
I come each and every day;
I'm your Mailman.
I knock your knockers, I ring your bell;
Don't you think that I am swell?
I'm your Mailman.
I can come in any kind of weather;
Don't you know my bag is made of leather?
I don't mess with doors or locks;
I just slip it in your box;
I'm your Mailman.

When I'm walking down the road,
Gee, I love to drop my load;
I'm your Mailman.
When I'm walking down the lane,
Women say please come again;
I'm your Mailman.
Each one wants as much as I can give her;
Each one says she wants me to deliver.
When you're feeling down and blue,
I've got something good for you;
I'm your Mailman.





Engineering Entrance Exam

Instructions

Read all questions carefully. Answer all questions fully. Time limit: 4 hours. Begin immediately.

History

Describe the history of the papacy from its origin to the present day, concentrating especially, but not exclusively, on its social, political, economic, religious and philosophical impact on Europe, Asia, America, and Africa. Be brief, concise and specific.

Medicine

You have been provided with a razor blade, a piece of gauze and a bottle of Scotch. Remove your appendix. Do not suture until your work has been inspected. You have fifteen minutes.

Public Speaking

Twenty-five hundred riot crazed aborigines are storming the classroom. Calm them. You may use any ancient language except Latin or Greek.

Biology

Create life. Estimate the differences in subsequent human culture if this form of life had developed fifty thousand years earlier, with special attention to its probable effect on the English Parliamentary system. Prove your thesis.

Astronomy

Define the universe. Give three examples.

Sociology

Estimate the sociological problems that would accompany the end of the world. Construct an experiment to test your theory.

Psychology

Based on a knowledge of their works, evaluate the emotional stability, degree of adjustment, and repressed frustration of each of the following: Alexander of Aphrodite; Ramses II; Gregory of Nica; Hammurabi. Support your evaluation with quotations of each man's work, making appropriate references. It is not necessary to translate.

Philosophy

Sketch the development of human thought and estimate its significance. Compare with the development of any other kind of thought.

General Knowledge

Describe in detail. Be objective and specific.

Music

Write a piano concerto. Orchestrate and perform it with flute and drum. You will find a piano under your seat.

Physics

Explain the nature of matter. Include in your answer an evaluation of the impact of the development of mathematics on science.

Economics

Develop a realistic plan for refinancing the national debt. Trace the possible effects of your plan in the following areas: Cubism; the Donatist controversy; the wave theory of light. Outline a method for preventing these effects. Criticize the method from all points of view. Point out deficiencies in your point of view as demonstrated in your answer to the last question.

Political Science

There is a red telephone on the desk beside you. Start World War III. Report on its socio-political effects, if any.

Epistemology

Take a position for or against truth. Prove the validity of your position.

Engineering

The disassembled parts of a high powered rifle have been placed on your desk. You will also find an instruction manual printed in Swahili. In ten minutes a hungry Bengal tiger will be admitted to the room. Take whatever action you feel appropriate. Be prepared to justify your decision.



Chariot Race Rules

1. Chariot:

Each chariot will have:

(i) At least two accessible wheels attached to the chariot with no human contact whatsoever, on the ground throughout the race from start to finish (minimum wheel diameter is 152.4mm in diameter).

(ii) No sharp protruding points or other objects dangerous to contestants, i.e. cutting torches, barbed wire, electric shockers, guns, knives, bombs, etc.

(iii) No maximum weight limit. Minimum weight of chariot is 13.6kg (without driver).

(iv) Human propulsion only (no gas motors etc.).

At the start of each race, each chariot will be pointed out to its competitors by the judges. *[If you wonder why this rule exists, or think it's silly, you haven't seen enough chariot races.]*

2. Drivers:

Each driver must be:

(i) human (male or female human); or
(ii) A member of Engineering Science with an official student number at the University of Toronto.

Driver must be over 18 (eighteen) years, or under 17 (seventeen) and accompanied by an adult. Driver must be contained in the chariot throughout the entire race from start to finish. Driver may not propel him/herself or chariot during entire race from start to finish. Driver must be presented to judges before race by his or her club chairman or representative.

3. Pushers and Pullers:

Only 8 (eight) allowed. All must be human males and/or females.

4. Blockers:

Offensive and defensive — no limit. All must be human males and/or human females.

5. Offence and Defence:

Rule 1(ii) applies to all contestants as well as chariots. It is hoped that contestants will abide by the intent of this rule, which is designed to prevent loss of life, limbs, eyes, masculinity (or femininity), etc.

Corollary: Anyone using axe handles, knuckle dusters, bike chains, etc. shall automatically bring about the disqualification of his or her chariot. Blockers must not carry dangerous



objects such as materials of metal, glass, wood or plastic. Biodegradable materials (two (2) years) such as eggs, tomatoes, watermelons are permissible. No aerosol cans, smoke bombs, flames, etc., may be used by contestants or attached onto chariots. All contestants are reminded to behave in a sportsmanlike or sportswomanlike manner (like in NHL hockey games).

6. Course

On the main campus between the lines adjoining the markers.

7. The Race:

The race shall consist of one complete running of the course in a counterclockwise direction.

8. The Time:

The Race shall commence at approximately 12:45 p.m. The Race shall be started by the roar of the **MIGHTY SKULE CANNON**.

9. Winner:

The first chariot crossing the finish line with at least two wheels attached to the chariot and touching the ground, and still capable of rotation, and a driver still breathing and as human as he or she was at the beginning of the race, will be declared the winner if it meets the following qualifications. To qualify to win, the chariot must:

(i) Complete the course as laid out by the judges.

(ii) Cross the finishing line with at least two rotating wheels still attached to the chariot and touching the ground with no human contact or help.

(iii) Have a charioteer who has been contained in the chariot all the time it has been moving. A chariot without a charioteer must stop moving until it retrieves its charioteer. It may only retrieve charioteer by moving backwards relative to course direction.

(iv) The charioteer who has been contained in the chariot at the sound of the **MIGHTY SKULE CANNON** and who has been declared by the owners of the chariot to be the judges before the race, must be the charioteer at all times throughout the race, and when crossing the finish line as set out by the judges.

(v) The charioteer may not move more than 921mm (three feet) on the ground or in the air if he or she is not contained in the chariot during the race between start to finish. For the chariot to move any farther, he or she must be back into (his or her original position) the chariot.

10. The Prize:

The winning team shall receive the venerable *J.P. Potts Memorial Trophy* plus some other unknown prize.

11. Inspection:

The chariots shall assemble on Front Campus at 12:30 sharp for the inspection by the judges. Nothing can be added or subtracted from the chariots after the inspection.

12. Eligibility:

Each course must present one chariot which must be presented by the Club Chairman. For the purposes of this rule, the First Year Chairman shall be in charge of the First Year entry. (First Year can enter only one chariot.) First year Engineering Science shall be considered to be First Year rather than Engineering Science for the purposes of this section.

13. Disputes:

The judges are hereby declared to be infallible. Consequently all arguments shall be decided by the judges whose decisions shall be final. (see *The Rise and Fall Of the Roman Empire*.)

14. Waivers:

All blockers, pullers and charioteers must sign the waivers before the race. Anyone who refuses to sign and then races, does so at his own risk.

15. Apparel:

All contestants should wear protective headgear.

16. Loans

All chariots stolen or otherwise removed shall be returned no later than 10:00 a.m. on the day of the race, or the thieving team will be disqualified.

17. Judges:

The judges shall consist of the Blue and Gold Chairman and two other persons chosen by the Blue and Gold Chairman. The judges must be fourth year students in the Faculty of Applied Science and Engineering at The University Of Toronto and they must not be of the same course.

The judges can disqualify a chariot even if it finishes the race first, if it has broken any of the above set rules. The winner can be declared anytime after the race, but before June, 1985. Once the winner is declared, no change can be made.

The rules can be changed 48 hours before the race by the Blue and Gold Chairman only.

Bribes will be cheerfully accepted by the judges.





September 1984

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
August S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	October S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1 LGM Summer Tour Ends
2 Football — Carleton at Toronto 2:00 pm	3 Labour Day Buildings Closed	4 Federal Election Orientation Day	5 Entropy Reversal Day Lectures and Labs Commence Cannon Orientation	6 Women's Wine and Cheese Orientation	7 Skule Stage Band BBQ Roamaround Pub — Wetmore Hall Orientation	8 Football — McGill at Toronto 2:00 pm
9 Hart House Farm	10 Eng Soc Executive Meeting	11 Eng Soc Executive Meeting	12 Toike Oike	13 Eng Soc Council Meeting	14 Last day to add or substitute fall term or full year courses	15 Football — Laurier at Toronto 2:00 pm
16 First and Second Year Elections	17 First and Second Year Elections	18 First and Second Year Elections	19 First and Second Year Elections	20 Rosh Hashana	21 Rosh Hashana	22 Football — Guelph at Toronto 2:00 pm
23 30	24 Rosh Hashana	25 Rosh Hashana	26 Rosh Hashana	27 Rosh Hashana	28 Rosh Hashana	29 Football — Guelph at Toronto 2:00 pm






HIGH
LIFE

SKULDE PRESENTS
THE MIGHTS OF LIFE




October 1984

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
			Cannon	Football — York at Toronto 7:30 pm		Yom Kippur
7	8	9	10	11	12	13
	Thanksgiving Day Buildings Closed	Eng Soc Executive Meeting		Faculty Council Meeting		
14	15	16	17	18	19	20
			Day of the Triffids		 Engineering Pub	Homecoming Football — McMaster at Toronto 2:00 pm
21	22	23	24	25	26	27
		Eng Soc Council Meeting			 Carlsberg-Argo Football Day at Suds Pub Oktoberfest Pub — Wetmore Hall Prosit!	
28	29	30	31			
			 Hallowe'en		September S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	November S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



November 1984











SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
October S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	December S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31			1	2 Last day to drop a fall, term course without penalty	3
4	5	6 Eng Soc Executive Meeting	7 Hockey — Ryerson at Toronto 7:30 pm Cannon	8 Toike Oike	9 Last day to withdraw from fall term without penalty	10
11 Remembrance Day	12	13	14	15	16	17  Centennial Pub
18	19	20 Eng Soc Council Meeting	21	22	23 Hockey — Cornell at Toronto 7:30 pm	24 Football — Vanier Cup Game 1:00 pm
25	26	27	28 Hockey — Waterloo at Toronto 7:30 pm Faculty Council Meeting	29	30 Hockey — Western at Toronto 7:30 pm	31 BFC Day

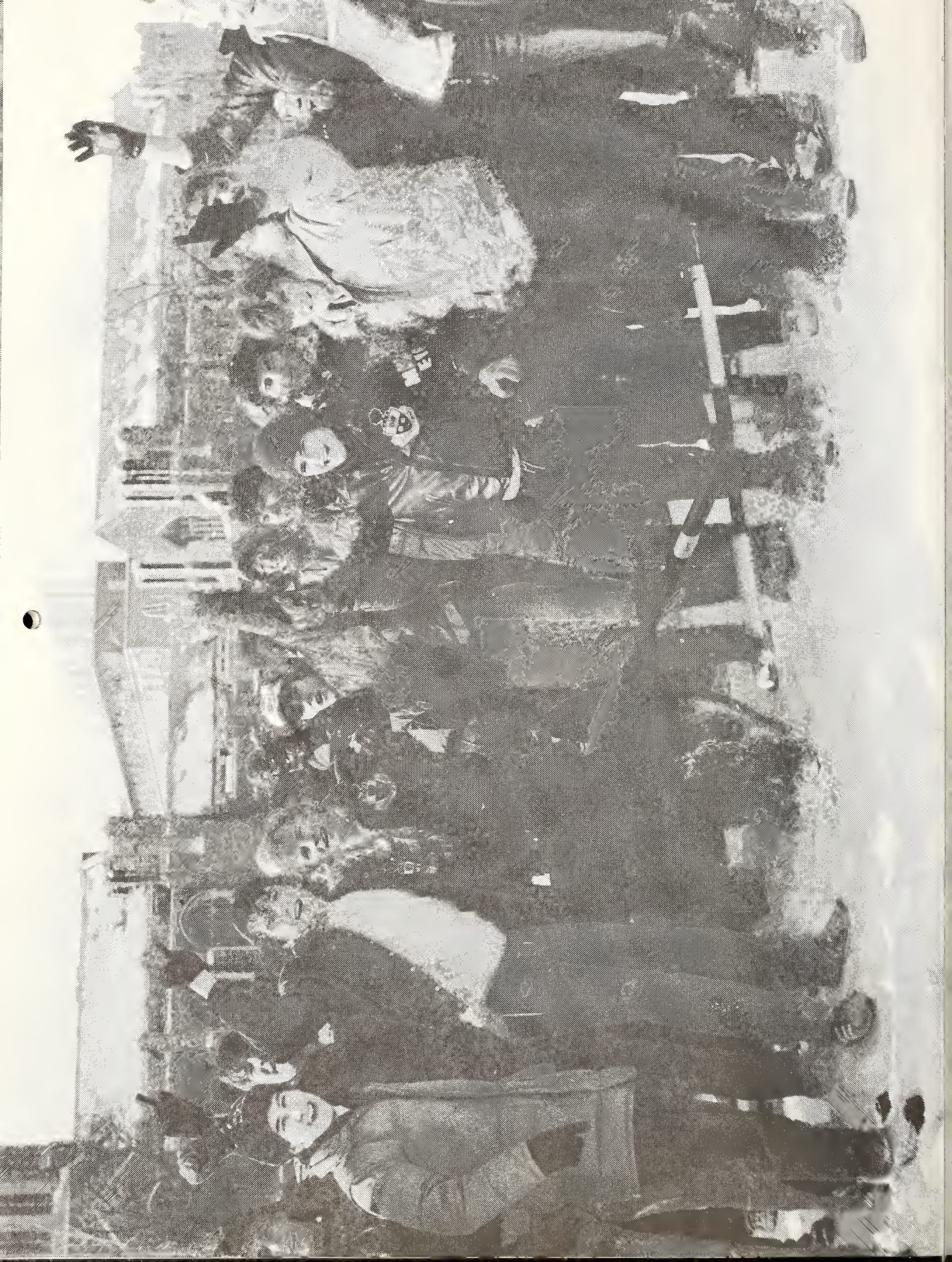
Merry Christmas, Ella!




Happy Holidays, June!

December 1984

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
November S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	January S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2	3	4 Eng Soc Executive Meeting	5	6	7 Hockey — Concordia at Toronto 7:30 pm Midburns End Lectures End	8 Cramming Commences
9	10 	11 	12 	13 	14 	15
16	17 Exams Begin 	18 	19 	20 	21 	22 Your one and only shopping day
23	24 Christmas Eve	25 Christmas Day Buildings Closed	26 Boxing Day Hanukah ends	27	28	29
30	31 New Year's Eve Cheers!					




January 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
December S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	February S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	New Year's Day Buildings Closed Hangover Day	Day of Recovery			
6	 Lectures and Labs Commence	7	Hockey — McMaster at Toronto 7:30 pm Cannon	Toike Oike	Hockey — Laurier at Toronto 7:30 pm	12
13		14		17	Godiva's Wake — Engineering Pub Last day to add or substitute spring term courses	19
20		21	Godiva's Resurrection	24		Hockey — Windsor at Toronto 7:30 pm
27		28	Joint Eng Soc Council Meeting	31	Hockey — Clarkson at Toronto 7:30 pm	






February 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
January S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	March S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31				1	2  Cannonball
3	4	Eng Soc Executive Meeting	6 Cannon	7	8 Hockey — Laurentian at Toronto 7:30 pm Hawaiian Shirt Day	9 Hockey — Laurentian at Toronto 2:00 pm
10	11	12 Joint Eng Soc Council Meeting	13	14	15	16
17	18	Sir Sandford Flaming Day Reading Week Begins —Heavy sigh of relief	19	20	21 Hockey — York at Toronto 7:30 pm Reading Week Ends	23 Hockey — RMC at Toronto 2:00 pm
24	25	Faculty Council Meeting Last day to drop a spring term course without penalty	26	27	28 Toike Oike	29 Leap Year Revisited













March 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
February S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	April S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				1	2
3	Election Campaign 4	Eng Soc Executive Meeting Election Campaign 5	Cannon Election Campaign 6	Eng Soc Elections 7	 Eng Soc Elections Engineering Pub 8	9
10	11	12	13	14	15	16
			Skule Nite	Skule Nite	Skule Nite	Skule Nite
17	18	19	20	21	22	23
St. Patrick's Day		Joint Eng Soc Council Meeting				 Grad Ball
24	25	26	27	28	29	30
31				Toike Oike		 Engineering Pub



April 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 April Fools Day	2	3 Cannon	4	5 Good Friday Buildings Closed	6 Great Saturday
7	8 Easter Monday	9	10	11	12 Midburns End Lectures End	13 Cramming Commences
14	15  Exams Begin	16 	17 	18 	19 	20
21	22 	23 	24 	25 	26 	27 Get Stinky Day
28 Day of Recovery	29 LCMB Summer Tour Begins Unemployment Begins	30			Exams End - Yahoo!	<div> <div>March</div> <div>S M T W T F S</div> <div>1 2 3 4</div> <div>5 6 7 8 9 10 11</div> <div>12 13 14 15 16 17 18</div> <div>19 20 21 22 23 24 25</div> <div>26 27 28 29 30 31</div> </div> <div> <div>May</div> <div>S M T W T F S</div> <div>1 2 3 4</div> <div>5 6 7 8 9 10 11</div> <div>12 13 14 15 16 17 18</div> <div>19 20 21 22 23 24 25</div> <div>26 27 28 29 30 31</div> </div>

May 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
April S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	June S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		1	2	3	4
5	6	7 Year of the Albatross Begins	8	9	10	11
12	13	14	15	16	17	18
Mother's Day	20	21	22	23 Victoria Day	24	25
19	26	27	28	29 Faculty Council Meeting	30	31
Ella's Birthday						

June 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
May S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	July S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
June's Birthday	2	3	4	5 D-Day	6 7	8
9	10	11 Pleistocene Epoch Begins	12	13	14	15
16	17	18	19	20	21	22
Father's Day	23	24	25	26	27 Gumby Day	28
30	31					29

July 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 Canada Day	2 Togo Day	3 Jim Morrison Is Not Dead Day	4	5	6
7	8	9	10	11	12 Pink Elephant Day	13 Pink Panther Day
14	15	16	17	18	19	20
21	22	23 Day of the Dolphin	24	25	26	27
28	29	30	31			August S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

June
 S M T W T F S
 2 3 4 5 6 7 8
 9 10 11 12 13 14 15
 16 17 18 19 20 21 22
 23 24 25 26 27 28 29
 30

August 1985

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
July S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	September S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			1	2	3
4	5 Civic Holiday	6 Celica Holiday	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22 No Poofers Day	23	24
25	26	27	28	29	30	31 Briefcase Clean-out Day

The Long and Glorious History of the MIGHTY SKULE CANNON

Undoubtedly there comes a time in every Skuleman's life when someone asks him about the famous Skule Cannon. Probably the Skuleman cannot say much about the famous Skule Cannon. Possibly the Skuleman wonders why there is a famous Skule Cannon.

Therefore, we proudly present a short *Compleat Historie of Ye Olde Skule Cannon*.

I: YE REASON FOR BEING

Why, then, is there a cannon? The answer is quite simple. Engineers have always been associated with noise, so what better way than a cannon to symbolize Engineering? (A hydrogen bomb, obviously — but hydrogen bombs cost too much for the noise they make).

Since the time of William the Conqueror, the title 'Atillator' has been given to the man responsible for maintenance of defense works and weapons of war. The title was synonymous with Engineer and the word artillery was probably derived from it. The Atillator was responsible for the number of guns used, their storing, mounting, and PROTECTION. Therefore it is the duty of all engineers to protect the Cannon from the jealous hands of rival faculties, colleges and any other thieving perverts who would thus desecrate our everlasting pride and joy.

II: THE EARLY YEARS

The first cannons honoured with the title 'Skule Cannon' were those in front of Hart House. In 1929, an engineering caper resulted in the firing of one of the two. This however, demonstrated only 50% efficiency as both cannons were supposed to blow.

In the early 30's another smaller 'cannon' would appear at Skule festivities and also roar, and then mysteriously disappear. The authorities unsuccessfully attempted to track down this will-o-wisp.



And in 1935, during a slave auction the cannon was fired on the steps of the Old Red Skulehouse with such force that windows were shattered. Once again it quickly disappeared.

In 1936, a machinist working in Civil Engineering was approached by some Engineering Society representatives who unofficially wanted to know if he would make them a cannon. Recognizing the considerable risk he was taking, but also realizing the dangers of students' experiments with explosives in a water pipe, he decided to help. And so he fashioned a 10" barrel with a 6" bore from a piece of axle stock, and a base from a pillow block. All of this was accomplished in the four hours immediately preceding the Skule Dinner that evening. This secret too was well kept.

The design of this Cannon was a tribute to engineering technology for it was not only a devastating weapon but it was equipped with built-in camouflage. It did not look at all like a cannon, thus deceiving any would-be kidnappers.

This fearsome weapon was used up until 1950 except for a few times in between 1941 and 1943 when a yacht gun was borrowed (really) from a machinist in the basement of the old Engineering building.

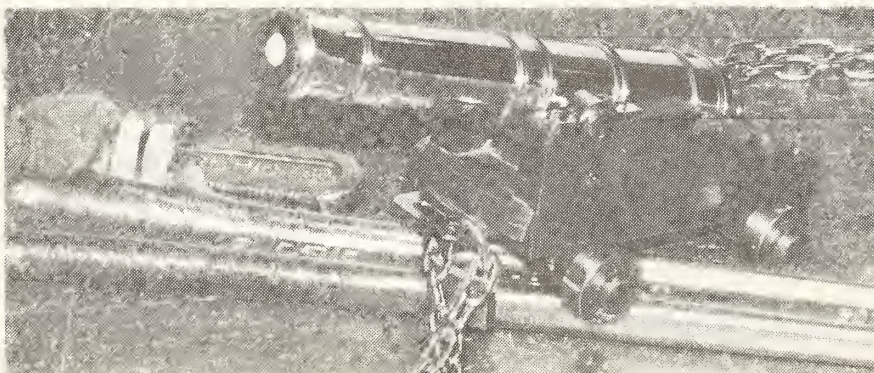
Naturally the unimpeachable appearance and worth of the Cannon was irresistible temptation for anyone who gazed in its direction, but especially to the feeble-minded persons in other faculties.

In 1941 UC stole it but it was instantly returned. And in 1944 UC again stole it. With cries of war and plans for the elimination of the nuisance at the north end of the circle once and for all, but lacking evidence to prove that UC had stolen it, SPS undertook a restrained campaign to regain possession. This ended up as a series of ads in the Artsman's Gazette (sometimes called the Varsity, often called something else).

Naturally this campaign was a failure, as would be any appeal to an artsman's honour. On Feb. 13, 1945, UC Lit announced that the Cannon would be returned at the annual Arts Ball. The Toike, in a fit of editorial passion called it a 'dastardly plot . . . a black infraction of civil property rights.' The Varsity (unbiased as usual) said it was in keeping with the Good Neighbour policy.

However, the hiding place was discovered and the Cannon was forcibly retrieved by a group of intrepid engineers. The Arts Ball was naturally a failure.

The Cannon once again returned to its job of banging at dinners, auctions and little old ladies. Plans were made to have it sent to Japan to assist in the Allied ef-



fort. The '49 chariot races approached, and in a spirit of pre-race heckling, the Cannon wandered about destroying everything in its path.

When the first heat was called, an earth-shaking blast reminiscent of Hiroshima and Nagasaki devastated the ears of all. And then it happened.

1077 Meds and Premeds armed with scalpels, tear-gas, thigh bones, trained white mice and a squadron of bomber pigeons attacked in a screaming mindless mob. The battle raged back and forth, to and fro, until, realizing that they were outnumbered, the Meds sent for reinforcements. Then the bomber pigeons finally made their mark on the three Engineers, and the Cannon disappeared into the Meds Building.

Negotiations went on for days, as the respective values of the Cannon and the missing Meds Society president, Bob Hetherington, were calculated by a federally appointed mediator. After a few days debate, the Cannon was returned, marred with a new inscription which read, 'Captured by MEDS 5T2, 3 Feb. 1949.'

On Christmas Day, 1949, there appeared on the doorstep of the Engineering Society a beautiful new weapon showing excellent workmanship, engraved 'Skule Cannon'. It seemed Santa had a close friend, a fine machinist working for the Department of Civil Engineering for a long time. In 1950 the Engineering Society honoured W.H. Kubbinga with a scroll extolling his loyalty, courage and good conduct and made him an honorary Member in Ye Ancient and Honorable Company Of Ye Skule Cannoneers with the rank of Sergeant Artificer.

The barrel was machined from a cold rolled steel bar and had a 2" diameter, 11" length, and 6" bore. The

carriage had wheels and was made from heavy steel. The Cannon weighed 20lbs. Later on the wheels and the barrel were chrome plated.

One fall night in 1959, artsmen broke into the Engineering Stores in an attempt to steal the Cannon. Believing it was in a safe, they pushed the safe out a window and carried it away. However, their efforts were in vain, and only the leniency of the men of Skule kept them from enjoying an extended vacation (at government expense) in Kingston.

But where the Artsmen failed, the Meds succeeded by deceit, as in 1959 the Meds once again made off with our precious tool.

To help publicize the Blood Donor campaign, the Skule Cannon appeared at the Blood Donor Clinic. It had been guaranteed safe conduct, so the Cannon was without its usual armed bodyguard and was attended by only two Skulemen. After a long battle, the Medsman overpowered the Skulemen and captured the Cannon.

We retaliated by kidnapping the Meds Society president. They retaliated by kidnapping an Engineer. We retaliated by kidnapping a Medsman, etc., etc. Finally, when there were over forty prisoners in the basement of the Sandford Fleming Building, the Engineers arranged an exchange of prisoners. As an added measure of security, the Engineers invaded the Meds building, removed the cleaning staff, faculty members and other debris, and boarded up the doors and windows. They waited. In the morning, the Meds saw the light and returned the Cannon.

In their kindheartedness, the Engineers gave the Medsman a replica Cannon, and then built a suitable trophy case for their prize. But in a masterful piece of engineering subterfuge this false



cannon was removed from the case (without scratching the glass) and was promptly destroyed so that our Cannon was once again the only one on campus.

Sadly, 1959 the scores of battles finally took their toll and our faithful Cannon had to be fitted with a new barrel. The new barrel was machined from a stainless steel bar 12" long, a diameter of 2", and a 6" bore. The barrel was installed by Cannoneer Bill Riggs who also oversaw its construction.

In honour of the many battles in which the Cannon accompanied us, the 1950 Cannon was immortalized by placing it in the cornerstone of the new Galbraith Building.

The new Cannon was formally fired for the first time on front campus in the autumn of 1959 and many Engineers and "others" turned out to witness this spectacular event.

It was next used in conjunction with the LGMB when the Engineers literally stopped the Homecoming show for ten minutes while a presentation was made to an ex-Skuleman. Needless to say the crowd (consisting mostly of arts types) was green with envy at the bold spirit and prowess of the Engineers and managed no protest other than a few feeble boos.

In the same year, a group from the B.F.C. (with the Cannon) paid a complimentary visit to the Victoria College Scarlet and Gold Dance. The Middlehouse Four were rendering a tender ballad at the time the gun discharged, and they were literally stopped dead in the middle of a verse by the thunderous roar that shook the Alumni Hall. The B.F.C. then scattered leaflets proclaiming Skule Nite and Cannonball.

Also in 1959 on the day of the "At Home", beatnik and Varsity types sitting in the U.C.'s J.C.R. were blasted. But this time the Skulemen stayed for a complete "Toike Oike", a "Beatnik Go Home" and more leaflets.





In 1963 when John Adam was Cannoneer, the Cannon Guard was given uniforms for the first time, based on an idea of Dave Morrison. The red helmeted Cannon Guard came into existence.

Also in 1963 the Cannon was heard in the Great Hall of Hart House, after a brief period of non-use. It was also felt, as the dust and other debris that fell from the rafters would attest.

On September 23, 1964, the Cannon was fired in the Drill Hall at the Engineering Frosh Dance by Cannoneer Doug Macdonald. Linda Edwards, a nurse from Toronto General Hospital, was injured in the right arm by a piece of undisintegrated wadding from the Cannon muzzle. She was standing at least 25 feet from the Cannon compared with the recommended distance of 10-15 feet. She was taken to hospital for treatment.

Further activities were banned at the Dean's request, pending a series of tests to be carried out by Professor MacElhinney of the Chemical Engineering Department, to determine a new safe loading and firing procedure. In October, a letter was received from a law firm stating that it

was their intention to file suit to claim damages on behalf of Miss Edwards. At this point all plans for testing or firing the Cannon were suspended indefinitely.

Late in October, permission was obtained from the Dean and Warden McCulley of Hart House to fire the Cannon in the Hart House quadrangle to be recorded for the L.G.M.B. record, with the stipulation that Professor MacElhinney be there to supervise. The Cannon was fired twice on this occasion with different amounts of wadding each time. Scatter and disintegration patterns of the wadding indicated that the old loading method had been relatively unsafe and that some new method must be devised.

Just after the start of the New Year, the tests were completed and a revised loading procedure was developed. Black powder, by virtue of its dependability and insensitivity to packing pressure, replaced smokeless powder.

Since no more had been heard from the lawyers, and Miss Edwards and her family said they had no intention of suing anybody, the Dean lifted the embargo and the Cannon was fired for the first time in the lower gallery of Hart House at the Lady Godiva Memorial Bash.

On the day of the Skule chariot race, the Cannon was fired in the Victoria College library. A strong protest was lodged as there was a funeral in Alumni Hall at the time.

III: THE CANNON STEAL

1967 was the year of Canada's Centennial, but more importantly it was the year of the most infamous Cannon steal of all. Capitalizing on a lapse in security, Mike Chapelle and Howie White spirited away the Cannon, spilling nary a drop of blood in the process. These bold fiends were graduate Engineers, as ex-

hibited by their recklessness, fearlessness and treachery.

The Cannon made its way to the British Isles, bringing sadness where there was joy and misery where there was happiness.

But six brave Engineering grads took it upon themselves to restore the pride of Skule to its rightful owners and tracked it down, all the way to UC (oy) in England. Don Munro (ex-bandleader and Eng.Soc. president) and Fraser Dunford stole into Chapelle's room, and with nary another drop of blood, Skule had its manhood back.

And then it was on to Coventry to pay homage to Godiva. The statue of Godiva was adorned with an Engineering jacket and the gay Engineers (woo) made merry (Yes, a lovely girl) for they were overjoyed with the safe return of our blessed piece. Chapelle followed them to Coventry, but the Skulemen outnumbered him and he backed off after some unpleasantness.

The Cannon was taken to Wales and then back to Canada. The fact that an Engineer had stolen the Cannon was very embarrassing and the whole theft was hushed up. The Eng.Soc. had had another Cannon built when they found out the old one was gone, but the new Cannon was announced to the world to have been built in honour of Canada's Centennial.

The barrel of the new Cannon was 11" long and had a bore of 5". The carriage was of mahogany and was equipped with wheels, and the barrel and wheels were chrome plated.

IV: THE MODERN ERA

With a spanking new Cannon, Skulemen's spirits were given a much needed lift (le hic). But it was barely a year old when another attempt was made to snatch our banger, this time by an Industrial Engineer. He was unsuccessful in his attempt and spent the next few weeks as a guest of Toronto General Hospital, courtesy of the Engineers.

The '59 Cannon made a brief appearance at the 6T9 Cannonball where it was fired by John Adam (Cannoneer '63). The '59 Cannon was then reported to have formed the basis of the Annual Skule Cannon Award. However, this was more fiction to cover up the '67 Cannongate.

The year 1971 brought the first gang bang with the Ryerson engineers, to decide who had the better cannon. Needless to say the Polytechs were sent scurrying home with their feet in their mouths. Not only did we annihilate them in the contest, but we stole their cannon and made off with the distributor wire to their bus.



With Skule's Centennial fast approaching, the Cannoneer decided that a new Cannon would be an ideal way to celebrate.

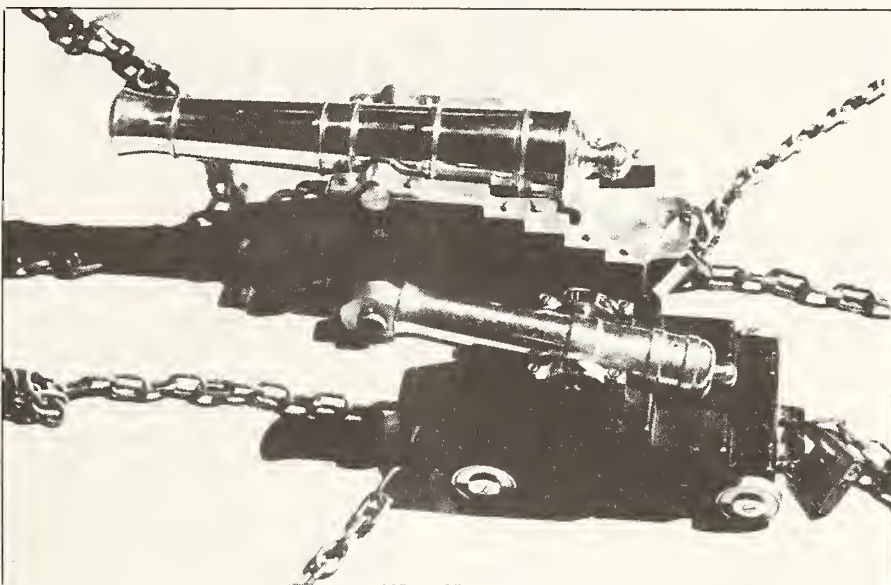
"In great secrecy an emissary was sent down to Svart-alfa-heim (a kingdom below the earth where elves live) to commission Sindri (the maker of the mighty hammer of Thor) to machine the mightiest device ever imagined. With this task in mind Sindri stole the metal for the barrel from Thor's mighty underwear and the wood for the carriage from Thor's mighty platform shoes. From this he fashioned a most awesome machine." With a barrel of diameter 3" and bore of 6", this zenith of perfection would easily strike fear into the heart of any mortal.

The first formal firing of the marvellous weapon was at the 1973 Centennial Ball and on the third try it actually fired. Dean Ham fired the 1967 Cannon for the last time and was then presented with it in honour of his retirement from Deanship.

The new Cannon has enjoyed a period of relative tranquility since its creation, except at a frosh dance when it was stolen (by the L.G.M.B.) to scare the Cannoneer (who had carelessly left it unguarded in the band room).

But in 1976, Robert Gilmour (the Cannoneer!) was found guilty of defacing the Cannon. John Vanneste, a former Cannoneer, was called from retirement to fire the Cannon, since Gilmour had refused to do so at his own Grad Ball. The Cannon was found to be badly corroded and in need of cleaning. When the barrel was removed from the base, Gilmour's name was found chiseled into the bottom.

The Engineering Society passed a motion of censure against Gilmour, and the entire deed was exposed in the Toike Oike. Furthermore, at Vanneste's sugges-



tion the Cannon Guard wore black hard hats for a year to show the Engineers' displeasure.

In the beginning of 1982, our glorious banger was called upon once again to prove itself. The first round of yet another gang bang was held during Godiva Week on a bitterly cold Front Campus, with contenders from Ryerson, Devonshire House and some forgotten fraternity all trying to wrest the glory from Skule's Cannon. The impartial judges from Labatt's, armed with the latest in decibel meters, quickly banished Devonshire and the fraternity from the field. Due to faulty calibration, both Ryerson and Skule were off the scale.

A second round was then held, its location being the heart of Ry-high. This time with heavy duty equipment and special shielding, the outcome was certain; Skule had once again triumphed.

For the record, our mighty device was measured at a level of 113 decibels from two hundred yards distance.

V: CARE OF THE CANNON

When Skule's first Cannon was created, a Cannoneer was appointed in keeping with age old tradition. The Cannoneer would be responsible for the selection of the Cannon Guards, making sure the Cannon was actually fired, and to do the actual firing. In addition to this he would have sole knowledge of the location of the Cannon when it was not in use.

As a matter of protocol, the Cannon is fired by a cigarette butt after a number of convenient verses of Godiva. For the firing, black powder is used, and finely divided asbestos is used as wadding. This type of wadding replaced toilet paper in 1964 after the injury to the nurse.

The Cannon Guards are the black helmeted beings who are always chained to the Cannon. To eradicate any ideas about stealing the Cannon, they are trained to kill at the slightest provocation. A full Cannon Guard is numbered four, though during the cannon duels with Ryerson sixteen were used.

In 1959 an artificer was appointed by the Engineering Society to inspect the Cannon, issue powder and in general look after the material needs of the Cannon. However, he was quietly forgotten and perhaps needs to be revived.

We have a Cannon which, by virtue of the material used in its construction from the tip of its shiny brass barrel to its walnut chassis, will endure as long as Skule exists. Hopefully it will never leave us and it need not if caution, brute force and devious means are employed whenever it is used.



Centennial Committee

Here it is at last — the one-hundredth anniversary of the University of Toronto Engineering Society. That can only mean one thing — MEGAPARTY! As the newest member in Canada's oldest engineering organization, the Centennial Committee is extending a special invitation to get involved in the fun. Members of this committee have already been busy; not only have they uncovered the origins of the traditions and events that have made Skule® unique, but they have also been active in planning the commemorative events for this, the Centennial Year.

Engineers are known far and wide as people who work as hard as they play. The Centennial events proposed attempt to reflect both sides of the men and women of Skule®. Those who like to play can help run the Centennial Homecumming football game, and by preparing for the Bnad reunion that will take place in the snads. Pubs throughout the year will have a centennial flavour to them (unfortunately, not that of hundred year old scotch!) In addition, a massive

reunion for all alumni, staff, and students is in the works.

To show off the technical talents of Skulemen and Skulewomen, the committee is attempting to build the world's fastest human-powered vehicle. The Centennial Bike Project needs people who have a knack for going fast, tinkering or designing. It doesn't matter whether you turn a few screws or do some boundary layer calculations — we need you!

The Centennial Committee has been working hard — and will continue to do so — to show anyone who will pay attention that the U of T Engineering Society has transformed an ordinary engineering faculty into that vibrant centre of campus activity that we call Skule®. If you are interested in celebrating "A Century of Skill and Vigour", don't hesitate to contact me through the Engineering Society — don't wait another century for the Bicentennial!

Gus Rinella
Centennial Committee Chairman

Social Committee



The Social Committee works hard to relieve the pressure of labs and problem sets by providing opportunities for Skulemen and

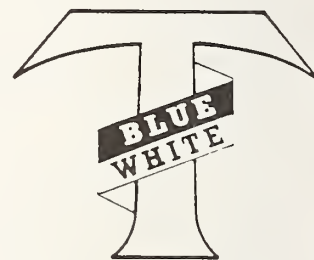
Skulewomen to get together, socialize and enjoy themselves. We sponsor the best pubs on campus; these include Oktoberfest, The Last Bash Before the Crash, and The Rites of Spring. This year's "Last Bash" will be a Centennial pub to commemorate the Eng Soc's 100th Anniversary. Other activities the Social Committee organizes include the Car Rally and Cannonball. 1985's Cannonball (Skule's annual semiformal), will be a staff-student-alumni dinner.

If you are interested in organizing any of these events, come to the Eng Soc and ask for Kim Harkness or leave a message in the Social Committee mailbox. Your help will be appreciated.

Kim Harkness
Social Committee Chairman

SIS BOOM BAH!!

By the time you have started reading this, you will have no doubt gone through enough red tape and bureaucracy to stage a small military coup. 'You've spent as much time in line-ups as you normally would writing final exams, and you probably feel as welcome in your surroundings as a hillbilly at Holt Renfrew. You are no doubt wondering if university is meant to be a sado-masochistic experience. In spite of all of the above implications, the answer is a resounding NO!



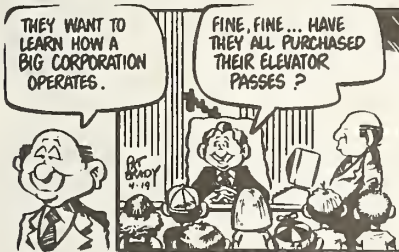
Once you have survived the initial hassles of admission, you will have four years in which to enjoy yourself immensely. Sure, you'll have lots of work to keep yourself busy, but even the most ardent academics leave the intellectual world to go off in search of other pursuits. Those in the know tend to agree that the best diversion of its kind on campus is the Blue and White Society, the U of T's own unique version of a rah-rah group. We're the people who will be bringing you the events you'll tell your grandchildren about: Homecoming, Winter Carnivals, and zany events beyond number. These little extravaganzas are open to everyone; all you have to do is show up. And if you're really keen to get involved, why not take the plunge and join the Blue and White? We'll be looking for new members all year long, but September is the optimal time to immerse yourself in the activities. Membership requirements? They're pretty simple: show an interest in us, and we'll be more than happy to welcome you into the flock.

Look for us during Orientation — we'll be on the prow!

For further information, phone the Blue and White Society at 978-4911.

First Year Committee

Hey Frosh! Yeah, you who are privileged (or crazy) enough to call yourselves the Engineering Class of 8T8. With all the spirited upper-classmen around, you are doubtlessly wondering, "How can I get involved?". Well, the First Year Committee is a great place to start!



Each and every member of the First Year Committee is responsible for informing and ensuring participation in the various Skule activities by their fellow Froshmates. Such activities include the Chariot

Race, Oktoberfest, the Bubble Cup, pubs, sports, and of course, BFC capers, although these are non-existent anyway! The 1983 — 1984 committee ran a successful Beach Pub that was entirely organized and staffed by Frosh 8T7.

Each September all Frosh classes elect two classmates; one is designated as Engineering Society Representative and the other as Faculty Council Representative.

While they both sit on the Engineering Society Council, the EFCR (Engineering Faculty Council Rep) also sits on Faculty Council. These class reps are collectively known as the First Year Committee and are lead by the First Year Chairman, who is elected from amongst all the first year reps.

The Chairman is privileged to also be a member of the Executive Committee of the Society.

So remember, come out and participate. If you want only books, go be an Artsie Med. Engineers are fun-loving, spirited Skulemen and Skulewomen.



Fourth Year Committee

The Fourth Year Committee is not as exclusive as its name suggests. While it is true that this committee organizes events which are of primary interest to fourth year students, it is also responsible for administering several awards for which all engineering students are eligible.

You will become aware of this committee even if you should decide to only become involved with your respective course clubs. This is because all club chairmen are members of the Fourth Year Committee as well. The committee coordinates all of the Summer Nights, grad photos, and the Kipling Ring ceremony, and it also organizes the biggest and classiest event of the year — the Grad Ball.

All students should be aware that several dollars of the fee you paid on Orientation Day are used to establish a Grad Ball account for your graduating year. The interest earned on the account will further offset some of the cost of your graduation.

Despite the fact that at the present time you may not be thrilled about the functions of this committee, you should know what it does. You haven't seen the last of it.

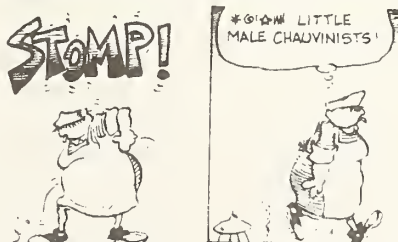
Kevin Foody
Fourth Year Committee
Chairman

Women in Engineering

Women in engineering? Yes! We do exist and are certainly making our presence known! If you are female, you are certainly eligible to join the elite, the Women's Committee! Come out and meet



planned so that the female Frosh can come out and meet the upper-class Skulewomen. Another highlight of the year is our winter Women's Dinner. To participate in these and other fun-filled events, be



other female engineers. We meet with the main objective of having a good time. Most events are solely for the girls, but occasionally we invite the guys to join in the fun and merriment. Our annual September Wine and Cheese Party is specially

on the lookout for posters by the Women's Committee. To answer any questions, leave a message in the Eng Soc mailbox or ask any of the spirited Skulewomen. Don't hesitate, come out and party with us!

To Alumni of the Future



FUNDRAISING HAS A NICE RING TO IT.

Once again the students of the Faculty will assist the Engineering Alumni Association in its annual "Phonathon" to raise money for "Skule".

Last year, \$28,000 was pledged over 7 nights as 92 loyal Skulemen and Skulewomen made nearly 6,000 telephone calls to a few friends and a lot of strangers. A prize of \$100.00 was awarded to the club that received the highest dollar value of pledges — a combination of Geo and MMS.

This year, the telethon will be run over 8 nights, September 24-27 and October 1-4 inclusive. The callers, usually 20-25 per evening, gather at 6:00 P.M. in the offices of Private Funding at Spadina and College, and partake of a light supper of cold cuts, cheese, bread and beer. Promptly at 6:30, the cheerful, friendly (but persistent) group begin their calls to alumni to convince them to at least match their own incidental fee of \$100.00. If all of our alumni did this, we would raise over 2 million dollars for the Faculty.

Watch for an announcement from your club chairmen and join in the fun. For those of you who will go into sales, it is invaluable training. Enjoy the satisfaction of being a valued associate in a truly worthwhile undertaking. People who sincerely believe in a cause can be pleasantly bold about asking someone else for support — just like Ian Fleming!

In four years or less (hopefully, not more!) you will be a graduate of this school. I hope you will never forget what it has done for you, since you will be expected to return the favour in a tangible way — just as today's alumni are assisting. How, you say? Well, I'll tell you how:

- by contributing \$232,000 towards your education in 1984
- by providing Orientation T-shirts
- by sponsoring a pub on Homecoming Weekend
- by supporting our students involved in the Ontario Engineering Design Competition
- by providing several scholarships
- by supporting "Skule Nite" and the Grad Ball
- by organizing Career Seminars for fourth year students
- by sponsoring noon-hour musical events in the Sandford Fleming Atrium
- by helping with the expenses of

the Skule Stage Band, the Engineering Athletic Association, and various student clubs and publications

As well as all of this, the Engineering Alumni Association has an office in the Galbraith Building right next door to the Dean. If you have questions or problems that no one else seems able to answer, drop by Room 167 — Galbraith Building. The door is always open.

Remember — your attendance here automatically makes you eligible to become a full and continuing member of the Engineering Alumni Association — for life! This membership is a right, but a responsibility as well. It offers privileges of which you will become aware, and opportunities for service both with the University and to the world.

Malcolm McGrath
Assistant to the Dean
Alumni Liaison

Professional Development

The Professional Development Committee oversees the moral and ethical development necessary in a professional engineer. In doing this, the committee serves as a link between the Engineering Society, the general public, and other engineering societies.

The committee organizes conferences, seminars and lectures for all U of T engineers. These are designed to answer such questions as:

What does an engineer do?

What exact field of engineering do I want to go into?

What do employers look for when they hire engineers?

The committee passes on information from three major annual conferences; the CCES (Canadian),

the RESSA (Ontario and Quebec), and the APEO (Ontario's Engineering Regulatory Body). Seminars and lectures are held throughout the year (dates TBA, so keep your eyes open for notices). Speakers in the past have included the presidents of Ontario Hydro and NSERC, Paul Godfrey, and Frank Miller. Anyone who has attended **these lectures in the past can tell you** how informative, interesting and helpful they've been.

Today's economy is a perfect example of why it is to an engineering student's advantage to market himself/herself. Don't miss your chance to learn how to do so; go to a lecture or two, and if you **have any questions, contact the** Prof Dev chairman, John Rynn, through the Eng Soc.

CCES Committee

As part of the University of Toronto Engineering Society's centennial celebrations, we will be hosting the seventeenth Congress of Canadian Engineering Students (CCES). This will be the first time in the history of the congress that it will be held at the University of Toronto, and we feel that this particular conference will be one of the best.

The CCES is a national conference which brings together engineering students from across Canada to discuss engineering-related issues. Emphasis is placed on the social issues that are a part of the profession. It was with this emphasis in mind that we chose for this year's conference the theme "The

Role Of The Engineer In Society". Discussions will deal with the goals and obligations of engineers, both at the university level and in industry.

This year's conference will take place at Toronto's Sheraton Centre, and anyone interested in attending should contact John Rynn, the Professional Development Chairman, for details. As well, anyone willing to help in the organization of the conference should contact David Stubbings, the CCES Organization Committee Chairman, through the Engineering Society.

We hope to see you all at the Sheraton Centre, January 2nd to January 7th, 1985.

David Stubbings



SAC

As a student in Engineering, you will come to find that you are represented on many levels at the U of T. The Engineering Society, the Faculty Council, and the Governing Council all represent the Engineering undergraduate...but so does SAC.

SAC, the Students' Administrative Council, is the student governing body for the entire university, of which our esteemed faculty is only one part (albeit a VERY important one).

You will probably be first introduced to SAC during Orientation Week through the hurling of toilet paper and the shouting of the adage "Oh boy, SAC sux!" But the adage does not have to hold true!

In reality, SAC provides many services for students. These include free films, free coffee (at the SAC building), a copy centre (essential to engineers), and a student phone directory. SAC runs a full-time pub (in the Sid Smith addition), and also has its hands in radio (CJUT) and publishing. SAC protects student rights and represents the U of T at major events, and its many commissions would welcome with open arms anyone interested in helping them perform their myriad tasks. Finally, through the Student Work Force, SAC provides employment at many of its events for students (like you).

All this and more are there for the taking. Remember, in order to enjoy the full flavour of university life one must take large bites.

Executive SAC Rep.

Employment and You



The University of Toronto Engineering Society provides its constituents with the widest range of services. And, yes, your Eng. Soc. even provides you with an Employment Committee. One of the most important and active committees going, it is not surprising that it is the most popular committee to work on. Where else can you have so much fun and talk to many prospective employers on an equal level? And who is better suited to help place you (or help you place yourself), in a position most resembling your personal choice of occupation than the Employment committee.

Due to the recent economic slump it is more important than ever that students show initiative. That is why the Employment Committee, in conjunction with the U of T Placement Center, brings in speakers and holds conferences and workshops for the students so that we can learn how to best market our position as the undergraduates and graduates of the best Engineering programme in Canada.

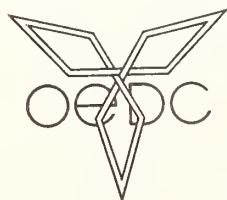
On a large scale, we want to show industry that we are not only

academically superior, but also that we have acquired the ability to work with fellow engineers.

On a smaller scale, we are thinking of what you want to do at the end of May. Summer jobs are a vital part of your education. It is now required that everyone have 600 hours practical experience in order to graduate. In addition, the experience gained in a course-related job will nicely round out your education, improve the look of your resume, and provide a valuable job reference, if not lead to a permanent position.

Remember your Employment Committee. We can direct you to the Career Counselling and Placement Centre (344 Bloor St. W.), help you with your resume, give you advice, and provide employer contacts. Any inquiries & ideas can be directed to our kiosk, located in the Eng. Soc., SF B670. If you've got guts, give us a hand as we demonstrate to industry that the U of T Engineering students are the best investment for their future.

Lynette Fairweather

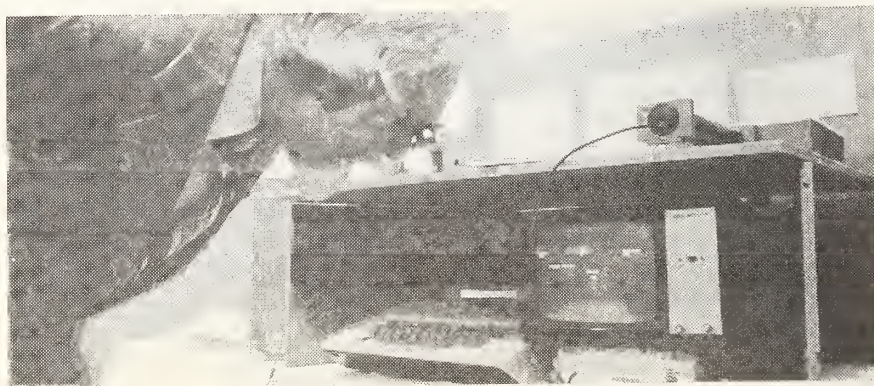


Ontario Engineering Design Competition

Design is one of the basic roles of an engineer, yet is not a major part of your curriculum. The OEDC is made for people like you who wish to develop and exhibit their design skills. The competition falls under 4 categories of which you have your choice: Entrepreneurial Design, Corporate Design, Editorial Communications, and Explanatory Communications. Besides benefiting academically from the experience, you will be given recognition in industry that will be of value to you when you seek employment. In addition, cash prizes of up to \$500 will be awarded depending on where you rank in your category.

Toronto has maintained its supremacy in this competition over the past few years by taking most of the top prizes. Entrants have found that starting early, even receiving in-

formation early, proves to be advantageous. Information will be available in September in the Engineering Society Offices.



Academic Affairs Committee

The Academic Affairs Committee is comprised of the Faculty Council Representatives from each of the undergraduate classes in the faculty.

We are the people to complain to when serious problems arise concerning courses, equipment or professors. Contrary to some opinions, we do have the ability to change things (and usually for the better!)

I am open to any suggestions to any new directions this committee can take. It is a relatively new committee and is still feeling its way around. So, if you have any questions or suggestions, drop me a line at the Eng Soc.

Dan Gerbec
Academic Affairs
Committee Chairman



Faculty Council

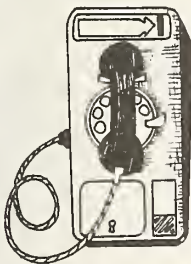
To those of you with delusions of grandeur dancing around in your head, being a faculty council representative might appeal to you. However, what is needed are individuals who are willing to work hard and forget about all the grandeur.

The Faculty Council is the governing body which rules over our end of campus (ie. the Faculty of Applied Science and Engineering). Membership includes the dean, assistant deans, department heads, various professors and 34 undergraduate students (one from each class). So as you can see, as undergraduates we do have the ability to be heard on Faculty Council.

Leech out and grope someone...

Helpful Phone Numbers

Eng Soc	978-2917
Eng Stores	2916
Eng. (Faculty) Registrar's	3134
	3133
Student Services	4159



OTHER USEFUL NUMBERS

Eng Library	6494
Robarts	2294
Sig Sam	2280
Computer Library	2987
Science & Medicine	2284
Textbook Store	7080
Bookroom (UC)	7088
Health Services (Men)	2459
(Women)	2456
(After hrs.)	2458
Athletic Centre	3437
Hart House	2452
Locker Office	4747
(Rentals & Squash Reserv.)	
Downtown Legal Services	
Admin Office	6497
Clinic	6477
Advisory Bureau	2684
(when you can't cope)	
Housing Services	2542
Police — emergency	2222
Other	2323
SAC	4911

DEPARTMENTS

Civil	3098
Geo	6554
Mech	3040
Ind	6421
Eng Soc	2903
Chem	3063
Elec	3123
MMS	6163



As well as being a member of the Faculty Council, most Faculty Council representatives are requested to sit on various sub-committees that deal with such important matters as Advanced Standing, Examinations and Undergraduate Studies. Faculty Council Reps also sit on the Academic Affairs Committee which is described elsewhere in this illustrious handbook.

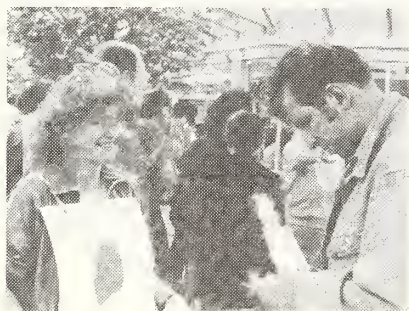
To those of you with the drive to work hard, becoming your class Faculty Council Representative is for you. Drop me a line at the Eng Soc if you have any questions.

Dan Gerbec
Executive Faculty Council
Representative

Skule Publications

Question: *Do you have flawless grammar, artistic talent, the ability to be well-organized, a high degree of self-discipline and a serious nature?*

NO? Well, are you lucky! None of the above is a necessary prerequisite to join the collection of fun-loving, semi-illiterate, but very friendly types who make up the Engineering Communications Committee. Known as ENG COM, it is one of Skule's most active committees,



being responsible for the publication of the world-infamous Toike Oike, The Cannon, the one-and-only Book Of Skule® and, of course, the outstanding Skule® Handbook and Calendar, which you are now reading. ENG COM has all the facilities required to put together these literary gems (yes, we even have a fully-equipped darkroom)

Question: *Why the !! would anyone get involved in all this?*

Well, aside from the fact that it looks great in your resume...seriously, helping put together a publication, whether it be the Toike or our yearbook, is plain and simply a lot of fun! It's also a good way to develop some new skills such as photography, layout and typesetting. If you can draw a (semi-) straight line or use an X-acto knife without performing surgery on

yourself or anyone else in the vicinity, then YOU can get involved. You do NOT have to be an author or an artist, but if you are, we won't hold it against you!

Question: *Why don't you get involved?*

It's very simple, really! Just leave your name and phone number in the ENG COM mailbox in the ENG SOC. (If you think all these abbreviations are bad, try looking in the Faculty Calendar!) Or you can venture into room B670E of the Sandford Fleming Building and ask for Merry or any of the editors. We can really use fresh ideas and helping hands. Who knows — one day you could be writing this article! By the way, it really does look good on your resume!

Mary (Merry) Svazic
Communications Chairman

The Book of Skule

The Book of Skule®, alternatively known as The Yearbook, is a text and photograph collection of memorable and not-so-memorable events which depict Skule-life. Yes, it's a chance for all Skulemen and Skulewomen to proudly display their faces, arms, legs, etc. while they are involved in the various Skule® events. Be it sports, music, capers, acting, dancing or general Skule® zaniness, the Book of Skule® will try to present something from everything which occurs in our Faculty.

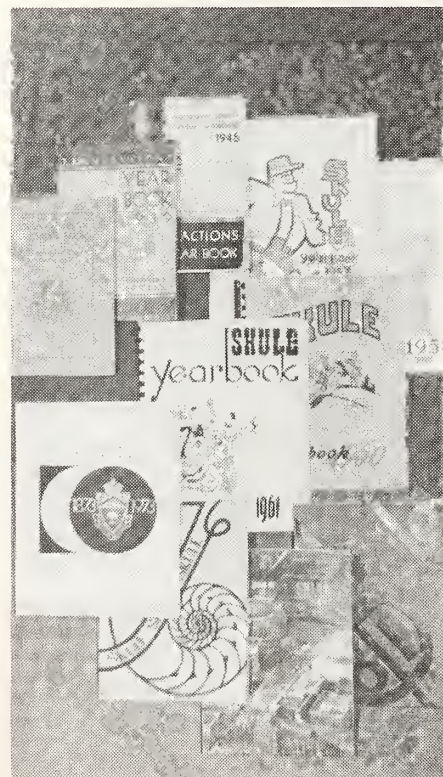
However, for this publication to exist, Skulemen and Skulewomen are needed to participate directly and indirectly in the making of The Book of Skule®. Direct participation involves the actual physical construction of this publication. All one needs is interest and enthusiasm; yes, even YOU can be a member of the venerable yearbook staff! (Photographers, lay-out designers,

and general high school yearbook types are most welcomed!) Indirect participation involves being active in Skule® -life. After all, for the Book of Skule® to record Skule® events, you, the Skuleman/Skulewoman must be out creating the event. Whether you be a LGMB'er, BFC'er (non-existent personnel), pub-goer, athlete, actor, musician, writer or politician, Skule® has something for you. Get involved so the yearbook will be your book. Who knows? You might be able to say, "Hey Ma. Look. That's a picture of me. See, I did go to UFT this year. What? Who said anything about classes?"

Any requests to be a yearbook staff member will be filled. Simply come to the Eng Soc, and ask for one of the editors (Lena Kim or Carol Low), or leave a note in the yearbook mailbox.

Hope to see you in the Soc,

Carol Low
Co-editor



the TOIKE OIKE

The *Toike Oike*, for those of you who have led sheltered lives, is simply the best damn newspaper published this side of the Don River.

Sixteen thousand copies are surreptitiously distributed bi-occasionally all over the three campuses. Thus, the *Toike*, along with the LGMB serves as the engineering



mouthpiece to the scum (ie, non-engineers) that comprise the rest of the U of T. The main purpose of the *Toike*, however, is to provide several appropriately timed humorous interludes in the often tedious drama of university life.

Due to the wild success of all of last year's *Toikes*, this year's issues will probably also follow the format of themes or parodies. A special bonus collector's edition of the *Toike* is slated for the end of the year in celebration of the centennial of the Engineering Society.

Now down to business. The *Toike* needs writers, rewriters, rerewriters, cartoonists, layout staff, and any other creative, zany people it can get its paws on. The *Toike* will print anything so long as it's truly funny. Have a joike you want to tell? Write it down and drop it in the *Toike Oike* mailbox in SF B670.

What could be easier and more satisfying than creating some ribald

masterpiece in the privacy of your own home, popping it into a mailbox, and then, as if by magic, seeing it appear in the next *Toike*? Don't let lack of writing ability inhibit you (I don't). A badly written, semi-humorous piece of trash can become a gut-wrenching classic through the mystical process of editing. Remember too, that as with all published writers, you are allowed to hide behind a nom de plume (pen name).

Or...if you're the more sociable type, there are the "wild and crazy" *Toike* brainstorming sessions called "make-ups". Here you can meet the charming *Toike* editurs and bounce around jocundity with their staph. (Pizza and beer are an integral part of all make-ups).

So cum on out, join the staph, and have sum fun.

**Bob Seeman
Mike Young
Editurs**

The CANNON

Thank you for reading this far. Before presenting any pleas, I will briefly discuss the history of *The Cannon* and its raison d'être.

The Cannon was established in 1978 to provide the engineering community at the U of T with a forum for serious news, for sports, and for some details about current technology. All such information had been previously presented in the *TOIKE OIKE*, although history buffs will argue that technical information was first presented in the *Transactions of the Engineering Society* (a hint for the Orientation Week Scavenger hunt).

It was originally intended to publish *The Cannon* every week that the *TOIKE* did not appear, which consequently meant publishing twice every three weeks. How, you might ask, did they find enough material? The answer, you intrepid reader, or Eng Sci (they're equivalent), is that they copied articles from other sources. Finding

this schedule a little hectic, the policy of printing once a month was instead adopted. The *TOIKE* simultaneously began divesting (a word that appears too often in certain circles) itself of all nonhumorous material (then why does *The Cannon* have to cover Men's Rugby?) *The Cannon* went to its present newsmagazine (half tabloid for purists) form in 1982. This year *The Cannon* is adding a Job Search page and a calendar of upcoming events and meetings iff (that is not a misspelling as you will discover much too soon) the committee chairmen cooperate.

Thus endeth the history lesson and the Pleas beginneth.

Unfortunately technology-related articles were printed only during the early years of *The Cannon*. Such articles are for all practical purposes extinct due to an apparent lack of talented writers in Engineering.

Because of the many talks and seminars (dealing with various research projects) that take place on our campus there is an abundance of information available for technology-related articles. All that is needed are a few individuals who would be willing to spend one half hour to go to a meeting, and another half hour to write a one-page article about it. Not only is this an easy task, but a volunteer might also learn something that is both interesting and relevant. As for you budding Karsh's, how about becoming an Eng Com photographer? (We provide the film and the darkroom). Last, but not least, anyone who can typeset or do layout, or who is willing to learn to do either, can drop by the lovely B670E and sign on the dotted line.

**Cheers and best of luck,
Derek Jubb,
Cannon Editor, 1984-85**

Skule Athletics

This article is speshully writted in sumple langwich so that jocks can unnerstan' it.

What is the E.A.A.?

The E.A.A. is the Engineering Athletic Association. That means it is **your** athletic association because everyone registered in the Faculty is a member. Whether you like it or not, six bucks of your fees goes directly to the E.A.A. so you're getting your money's worth if you use your association to your benefit. The purpose of the E.A.A. is to encourage athletics in every way at the University, and to co-operate with the University of Toronto Athletic Association.

Who runs the E.A.A.?

In the spring of every year the Engineering Society holds their annual elections, the students also elect a President for the E.A.A. The outgoing Executive of the E.A.A. appoint Directors of Athletics and Commissioners. These students 'run' the E.A.A.

What do these people do?

The President (Bruce Dow) calls and presides over meetings, draws up the budget and generally co-ordinates all sports. The Secretary-Treasurer juggles the books and keeps the records; as well, he/she is responsible for all E.A.A. correspondence. The Athletic Directors are the public relations people for the E.A.A. and usually are our representatives at other councils on a university-wide basis. The Commissioners are responsible for the complete organization of their sports. They also inform players of practices and upcoming events and sometimes coach the team.

What sports can I play?

A great range of sports is available to both men and women in the Faculty. These include Football, Soccer, Basketball, Volleyball, Rugger, Waterpolo, Ice Hockey, Field Hockey, Squash, Lacrosse, Skiing, Track & Field, Tennis and



Badminton. Co-ed sports are also offered. Teams composed of classmates and friends make up the co-ed teams. All these sports are played at the interfaculty level. Closer to home are the ever-popular and ever growing Engineering Tournaments. Classes are given an opportunity to show off their skills against other classes in such sports as Touch Football, Volleyball, Soccer and more. The tournaments are a guaranteed good time for all students.

What do athletes get for a championship?

Well, besides a handshake and a cold beer, they get awards at the annual S-Dance; awards like mugs, pen and pencil sets and plaques. Anyone in engineering is welcome to the dance, even non-athletes. It is held sometime in March. As well as being awarded at the S-Dance, championship teams are also recognized by the University of Toronto.

Who gets awards?

Anyone who wins an individual or team championship, finalists, the most valuable players of each sport, various classes for participation, athletes of the year and anyone with enough S-points. An award is given every month for the Athlete-of-the-Month, a participant whose

performance and enthusiasm are outstanding.

What are S-points?

What the F! Ya don't know what S-points are? Ya gotta be kidding. Well, tell me and I'll know?

Every time a student participates in athletics at any level, he or she receives a certain number of S-points. The more successful your efforts, the more points you get. If you get 15 points you get a Chenille 'S' (your Skule letter), and if you accumulate 40 points, you receive a Bronze 'S' (an oak plaque engraved with the Faculty crest) in your graduating year. You can figure out how many points you've earned or could earn by checking out the S-points set-up.



Why do you say "Participation" - so much?

Contrary to all the crap you hear about "winning is the only thing" and "winning is everything", the only thing and everything is participating. Standing on the side and cheering is fine, but it must be balanced with some participation on your part. Sure winning is nice, but the real satisfaction comes from effort and self-improvement. That sounds pretty philosophical for an Engineer.

Yeah. Actually I read it on the washroom wall at Hart House.

Why should I get involved?

Well, besides keeping in good shape, having lots of fun and meeting new people, there is always the prestige of being a **winner**. In previous years Engineering has won both the T.A. Reed and Marie Parkes trophies (these are given to the men's and women's interfaculty champions). We have a reputation to uphold and the reason for our success is our high participation rate — hint, hint. Not only do you get to meet other engineers, you will also be exposed (gasp!) to people from faculties and colleges (it's a great way to meet people of the opposite sex).

Where can I find out more?

Go to the fourth stall from the left at Hart House and look for...

No you F! idiot, more about the E.A.A.?

Oh. Just go to the E.A.A. office inside the Eng Soc office, or ask Ella (gosh!), or contact Bruce Dow. If that doesn't work, ask any well-rounded, self-improved personality who happens along and keep an eye out for posters or notices in the Toike and on the back page of the Cannon.

S-POINTS

S-Point Awards:

I Athletic 'S' Award - 15 points.

II Bronze 'S' Award - 40 points (awarded in fourth year).

III Outstanding male and females athletes in each year (eight awards). To be selected by the E.A.A. as described in its constitution.

Teams are divided in the following classes:

DIVISION A: (Team Sports)

CLASS 1: The team designated as the 'first' team in any sport:

Sr. Basketball, Rugger 1, Squash 1, Sr. Hockey, Waterpolo 1, Sr. Soccer, Volleyball 1, Football, Lacrosse 1.

CLASS II: The team designated as being 'second team' in any sport listed in CLASS 1, or any other engineering team playing at a faculty level — i.e. any team designated as a 'third' team.

CLASS III: Teams which play in the touch football league, or the Intermediate League for basketball and hockey, or any other Intermediate, Recreational or Coed league judged sufficiently competitive.

S-POINT TABLE: The points will be awarded as follows:

CLASS	I	II	III
Participation ★	5	4	3
Playoff Team □	6	5	4
Finalist Team/	8	7	6
Championship Team	9	8	7

★ 60 % of games.

□ A team qualifying for league playoffs and having won at least 50 % of its season's games.

/A team losing in the final round of competition.

DIVISION B (Individual Sports)

A — Includes track and field, swimming, tennis, badminton, skiing, cross country or any other other tournament type of sport.

1) Participation in any of the above 1 point

2) For track, and swimming (including relays)

1st	3
2nd	2
3rd	1

3) For Skiing
EXPERIENCED

1st	3
2nd	2
3rd	1

NOVICE

1st	2
2nd	2

4) Doubles Tennis, Badminton (experienced)

Champions	3
Finalists	2
Semi-finalists	1

4) Tennis, Badminton (novice)

Champions	2
Finalists	1

Note: a) Where points are earned for placing, the points for participation are forfeited.

b) If a team championship is awarded in any Division B sport, every member of the team shall receive 2 points.

B — VARSITY TEAMS

Winners of a Varsity Intercollegiate Colour (Men's First 'T') or a Women's Intercollegiate 'T' shall be eligible to receive 10 points.

Only one 'T' may be claimed per sport per year.

C — CO-ED TEAMS...2 pts.

D — Managers coaches

Intercollegiate Teams	3 points
Interfaculty Teams	2 points
Intermediate Teams	1 point

A maximum of 10 points per year may be earned in any one sport plus the managers and coaches award for that sport if applicable.

Awards for Engineering athletes, managers and coaches will be decided upon by the EAA executive and awarded at the S-dance at the end of the year.



SKULE NITE

Max Bialystok: Go ahead Franz, kill the actors!

Franz Liebkin: You are right. I must kill the actors!

Leo Bloom: What!?! Are you crazy? What do you mean, kill the actors? You can't kill the actors! They're human beings, not animals.

Max Bialystok: They are? Have you ever eaten with one? Go ahead, Franz, kill the actors.

The Producers
Mel Brooks — 1967



tutor's foot, consider this alternative to your midterm woes. **Skule Nite 8T5**, the latest edition of the annual engineering musical-comedy stage revue, will play before predictably enthusiastic audiences at Hart House Theatre on March 13, 14, 15 and 16.

Skule Nite traditionally serves up a smorgasbord of songs, sketches, gags, blackouts, dances, dialogues, diatribes, duets, duels, drama, and plain all-round run (wow!) to please the most puritan parents or to charm the most caustic critics.

Skule Nite 8T5, the latest in a long line of Skule Nites dating from 1920 (at Massey Hall) is well on its way to becoming a veritable comedic tour de force (and funny, too)..

...but not without your help! Actors, actresses, musicians, stage crew, sound and lighting persons, make-up and costume persons and, most importantly, writers are needed to mold the show into the extravaganza to which we who care have become accustomed. Watch the CANNON for details of auditions (in November, most likely) and writing meetings.

Questions? Contact the director, Steve Roberts, at 444-1939, or Ella, the Engineering Society's gift from above, in the Eng Soc office. Both can tell you what you would be missing if you pass it by.

Join **Skule Nite 8T5** where men are men, women are women, and sheep are nervous.

You could do worse.



As you ponder the distinct likelihood of academic disem-bowlment after having spilled 10 molar hydrochloric acid on your

MY GOD!



SUDS!

Where can engineers drink cheap beer, meet lots of people and a few Eng Sci's, listen to great music, and have an all-around good time? The Suds Pub, that's where! Located in the SF cafeteria, this pub is run by the Eng Soc. Open for business on

Friday afternoons and evenings, it provides engineers, nurses and other assorted species an opportunity to relax and unwind at the end of a hard week. Suds has been the scene of various events such as beer cup stacking contests, euchre tournaments, hard hat contests and, of course beer drinking challenges. Similar events will doubtlessly occur this year as well as brand new ones.

The pub opens in September and will be run for the whole Skule® year. Don't forget to visit — you'll need it!

Steve Azume
Bruce Christie
Pub Managers

"SOMEBODY
GIVE ME
A BEER!"



Join the Skule Stage Band

If you enjoyed playing in your high school stage band and wish to continue your musical career at university, then the Skule® Stage Band is for you!

This past year was the first year of the Band's existence, and it was a very successful premiere. Monthly Sandford Fleming atrium concerts introduced the Band to the Faculty, and it was not long before we were asked to perform at special events.

Highlights of the year included two concerts at Convocation Hall: a Christmas concert, and a concert at an event sponsored by the *Royal Society of Engineers*.

This year we are looking forward to continuing our noon hour atrium concerts. We are also planning to play at various engineering events throughout the year, including Homecoming and a 100th anniversary celebration "swing" pub. A beer garden and barbeque in the Galbraith Quadrangle on Friday September 7th marks the first appearance of the Band this year. This event is also part of the Orientation activities, so come out and support both your Engineering



Society and your Skule® Stage Band.

Becoming a part of this great band is easy. During the second week of September, auditions will be held for this year's band, and everyone is welcome! We will be auditioning trumpets, trombones, saxes, and rhythm guitar, bass, and drums as well. Everyone (even frosh) will have a chance to be in the Band. If you're good...you'll make it!! Meetings for those interested in joining the Band will be held on Tuesday, September 11th at 12 noon and at 1 pm. (Rooms TBA). Auditions will follow on Wednesday the 12th and on Thursday the 13th, and will take place in

GB 202 at 5 pm. Come out to one of the meetings and audition for a real class act!

For more information feel free to contact:

Cliff 291-0950
 Danny 245-6849
 or Kent 233-7876

Keep your eyes open for posters and notices around Skule®. 1984-85 is going to be a big year for the Skule® Stage Band...Don't miss out!

BLUE AND WHITE (U of T's School Song)

Old Toronto, mother ever dear,
 All thy sons thy very name revere
 Yes we hail thee
 Ne'er will fail thee
 But we shall sing thy glory with our might (for we are)
 Ever loyal, faithful, frank, and strong
 We will sing thy praises in our song
 Aye and hail both loud and long
 The royal Blue and White (FIGHT! FIGHT! FIGHT!)
 Toronto is our University
 Shout, oh shout men of every faculty
 Velut Arbor Aevo,
 May she ever thrive O
 God forever bless our alma mater.

CHEER:

TORONTO, TORONTO, TORONTO VARSITY!
 (WE) SHOUT (AND) FIGHT (FOR THE) BLUE (AND) WHITE
 (AND THE) HONOUR (OF) U OF T!
 RIPPETEE, RAPPETEE,
 RIPPETEE RAPPETEE REE!
 TORONTO, TORONTO, TORONTO VARSITY!
 YAAAY . . . TORONTO!

GOD SAVE THE ENGINEER

God save the Engineer;
 Feed him on rum and beer;
 The Engineer.

He loves to drink and sing;
 Nurses he's sure to bring;
 On campus he is king;
 The Engineer.

COURSE CLUBS

In case you don't know it, each division (ie.—Elec, Civ, etc.) has its own course club which serves as the social organization for that particular field. Though each has its own methods and events, they all share certain common ground. For instance, each course club organizes **SMOKERS** (see glossary), which are events that will give you the opportunity to meet others in the same division whether they be frosh, upperclassmen, or faculty members. The smoker is also a haven for the lover of cheap beer and disgusting food, and it even offers the occasional guest speaker for the enlightenment of all.

FIELD TRIP... Does this seem to be an unusual term to find at university? Well it's not. Again, the clubs come to the rescue with an event that is not only of great educational value, but a great excuse for an enormous party. Though field trips don't usually occur until you reach upper years, it is still a club event and further illustrates the service that the organization supplies.

One of the social highlights of the year is the annual **CLUB EVENING EVENT**. Depending on your own

club, this may be a formal or informal dinner, a semi-formal/formal dinner and dance, or a party modelled after a full scale nuclear war. The purpose of such an affair is to gather together the entire department, students and staff, for an evening of merriment and good spirits. It is not an event to be missed.

SPORTING EVENTS constitute another major area of club interest, so you will find that most every club has a tournament of some sort. This is likely to be a hockey tourney (after all, we are in Canada), but any sport that shows itself to be popular can also become a club organized function. Tournaments are not the end of club involvement in sports: there are Squash Ladders, and some clubs (specifically Chem) have Ping Pong Tables (Table Tennis — for the purist).

All the clubs have at least one very important function in common: They are responsible for the running of their respective department chariots in the **CHARIOT RACE**. It is up to the club to ensure that its own chariot is in top running condition race day and that sufficient numbers of offensive and defensive team members



are fielded. This is one of Engineering's greatest traditions; it places the honour of your department on the line, so be there!

In general, your own club is there to see that you meet and get to know those of the department in pleasure as well as at work. As with most anything else, the club works best with those that work with it and for it. To put it plainly, help is always needed and appreciated. It's great fun, so come on and join in.

Electrical Club

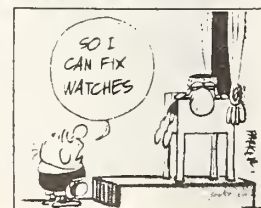
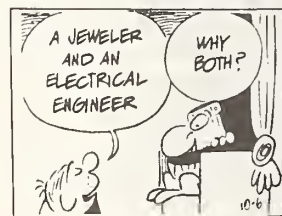
Welcome all 8T8 Elecs to the faculty and to the Electrical Club. The Electrical Club is the social committee for all Elec Eng's, and, among other things, it organizes a multitude of smokers. These are held in the Elec Club common room, GB422, and provide opportunities to meet your peers (other frosh) and your superiors (profs and upperclassmen) in an informal atmosphere (consisting of pizza fumes and beer vapour)

Notices of all the other Elec Club events are posted in GB422 as well. These include the Chariot Race

(blood and carnage), the Electrical Club Dinner (food and fluids), and field trips (Ottawa, Molson's, etc.).

Despite the fact that you will be remarkably busy over the next four (five?) years, you should still be able to attend at least some of these events. Remember, the club serves only those who want to become a social as well as an academic member of the department, so get involved!

Yung Hahn
Elec Club Chairman



Attention Eng Sci



Welcome to the Engineering Science Club, the most exciting, elite club on campus. Yes, by voluntarily submitting yourself to Eng Sci, you automatically get the fringe benefit (and probably the only benefit) of a four-year membership in the Eng Sci Club.

Undoubtedly, you've already heard about the work load you're facing, and you probably think that in order to complete your studies, you must resign yourself to a social life just slightly less exciting than that of a monk. Not true! Of course you can, if you want, take the vows of celibacy, silence, drudgery and boredom, and maybe you'll excel in your field. Then again, maybe you'll burn out in one year.

So, get involved! Club functions include the annual Eng Sci Dinner and Dance, an end-of-the-year wine and cheese party, smokers, and

much more. Smokers are informal get-togethers where frosh, upper-classmen, and professors mingle over cheap beer and pizza.

For those of you who are more athletically inclined, the Eng Sci Club sponsors sports events such as hockey and squash tournaments.

For more information about the Club and its activities, check out the club notice board in the Eng Sci common room (GB 149). The common room is a great place to relax, play cards, or meet people who know how to survive in Eng Sci. While you're there, get to know Profs. Tennyson and Hamacher (Chairman and Associate Chairman), and Phillip Edghill (administrator).

Come on out and enjoy your club! See you around!

Kathy Kalafatides
Eng Sci Club Chairman

Chem Club

**Congratulations
Frosh!**

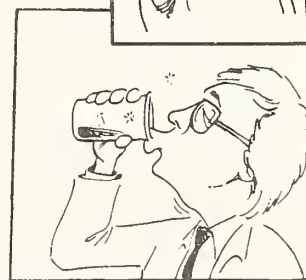
Chemical

You have finally reached the portion of this handbook that is the most important to your development as an engineering student.

Although it may not yet be evident to you, the Chem Club (of which I am a part) is responsible for many of the most accessible types of extra-curricular activities that take place during the school year. Smokers (see glossary), the Chem Dinner, and the annual Chem Eng Hockey Tournament are only a few of the events that we have planned for the coming year.

Skule® over the next four years (or five for you lucky few) will be the Engineering faculty's version of Armageddon. Survival will not only depend on your intellectual agility, but also on your ability to withstand the everyday pressure to produce. For most sane people (and even some Eng Sci's) this requires frequent mega-doses of beer. So come to a smoker and partake in some fluid dynamics. Don't just think about it, **PAR-TICIPATE!**...before it's too late.

Good luck,
Jon Douglas
Chem Club



MMS

Welcome to the **Department of Metallurgy and Materials Science!** As an 8T8 F!rosh, you are now a member of the only club in this Faculty whose name is larger than its enrolment. During your 4 (5? — 6?) years of Skule®, please keep in mind that you are not a member of the smallest Club in the Faculty, but in fact the most exclusive.

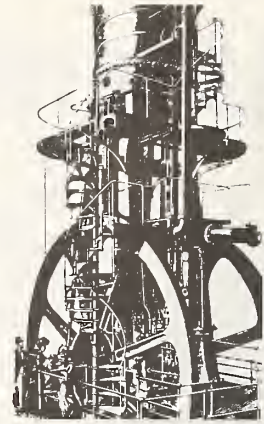
As a Club member, you are entitled and encouraged to participate in the various activities which occur during the year. These include our traditional smokers during which you can converse with your favorite Prof (about marks, his daughter, etc.), eat **free** pizza, and most importantly — drink lots of **BEER!**

Other events include our annual educational (hic!) field trips, and spring Club dinner complete with *special awards*.

One of the most important privileges you receive as a Club member is the use of the common room. This is one of the finest common rooms around and can be found at the east end of the Wallberg building (WB143).

If you have any questions, ask myself or Mike Racz (vice-chairman, ie. chairman in charge of vices) It will only cost you a beer or two! See ya around,

Bruce Powers
MMS Club Chairman



Club Mech

By entering Engineering at U of T, you have elevated yourselves above mere mortals. By becoming a Mech, however, you have entered the realm of the gods. The seat of our unearthly powers is Le Club Mech (et Le Club Mech Avec Cheveux). On behalf of this illustrious organization, welcome aboard.

Membership in the Mech Club is granted to all Mechanical Engineering students at U of T, making it the most exclusive society in the world. Getting involved with club activities will make or break your stay within these hallowed halls. Oh yeah! You think I'm shitting you? I'm not shitting you. The club organizes many events for your enjoyment. Among them are smokers (cheap beer, pizza, beer, and beer), the Mech Dinner, the winning of the chariot race, the prof roast, a high-spirited adventure in Montreal, and looking at naked pictures of Ara.

Most Mech upperclassmen recreate in the well-furnished common room (eat your hearts out elects!) on the third floor. Feel free to approach them for help, advice, or just to borrow five dollars. Whatever you do, do your problem sets, get involved, have fun, and **HEY**, be careful out there.

David Shack
Mech Club Chairman

Industrial Club

10 REM BASIC UNSTRUCTURED GUIDE TO THE INDUSTRIAL CLUB
20 REM

30 IF (YOU ARE A FIROSH) GOTO 80

40 IF (YOU ARE IN ENG SCI) GOTO 270

50 PRINT " ERROR - YOU ARE READING THE WRONG BOOK!"

60 END

70 PRINT "WELCOME ENG SCI DROPOUT": GO TO 90

80 IF (YOU ARE NOT IN INDUSTRIAL) GOTO 280

90 IF (YOU ARE A WIMP SHIT) GOTO 310

100 PRINT "IF YOU ARE INOEEED A FIROSH INDUSTRIAL WHO IS NOT A WIMP SHIT, OR ARE A"

110 PRINT "DROPOUT FROM ENG SCI, CONGRATULATIONS! IF YOU GOT THIS FAR BY"

120 PRINT "FOLLOWING THE PROGRAM, YOU HAVE DEMONSTRATED INCREDIBLE APTITUDE FOR"

130 PRINT "YOUR CHOSEN FIELD OF STUDY. IF YOU ARE NOT A FIROSH, OR ARE FROM ANY"

140 PRINT "OTHER DISCIPLINE, AND ARE READING THIS, YOU HAVE EITHER CHEATED, OR"

150 PRINT "ARE UNBELIEVABLY STUPID."

160 PRINT "ANYWAYS, THE INDUSTRIAL CLUB IS MADE UP OF ALL U. OF T. IE STUDENTS."

170 PRINT "WE HANG AROUND (SLEEP) IN THE I.E. UNDERGRAD COMMON ROOM LOCATED"

180 PRINT "IN THE ROSEBROUGH BLDG., ROOM 214. IT IS A GREAT PLACE TO EAT YOUR"

190 PRINT "LUNCH, PLAY CARDS, OR HAVE A PILLOW FIGHT.(JERRY!!) NOTICE THAT AT"

200 PRINT "NO TIME HAS THE CONSUMPTION OF FERMENTED BEVERAGES BEEN MENTIONED."

210 PRINT "CLUB EVENTS INCLUDE SMOKERS, ROAD TRIPS(!?), THE INDUSTRIAL DINNER,"

220 PRINT "THE CHARIOT RACE, AND OTHER SUCH UNSERIOUS ACTIVITY."

230 PRINT "YOU'VE DONE A LOT OF WORK TO GET HERE, BUT BE SURE TO MAKE THE"

240 PRINT "MOST OF IT BY HAVING SOME FUN. THAT'S WHAT THE INDUSTRIAL CLUB"

250 PRINT "IS HERE FOR. BEST OF LUCK THIS YEAR. BRUCE OOW, INDUSTRIAL CLUB"

260 PRINT "CHAIRMAN"

270 END

280 PRINT "I WISH YOU GEOS WOULD LEARN TO READ, YOUR CLUB ARTICLE IS ON SOME OTHER"

290 PRINT "PAGE."

300 END

310 PRINT "WIMP SHIT EH? WELL AT LEAST YOU'RE READING THE ARTICLE, THAT'S A START."

320 PRINT "JUST DON'T LET ANYONE KNOW THAT YOU'RE AN INDUSTRIAL. WE LIKE TO THINK"

330 PRINT "THAT WE HAVE AN IMAGE TO MAINTAIN."

340 END



Civil Club

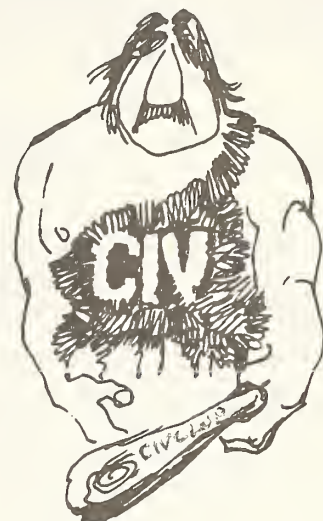
If you have chosen Civil Engineering as your career, I can assure you that you have made the best possible selection. If you didn't choose Civil...well, nobody's perfect!

Anyway, welcome, all new Civils, to the 1984-85 Skule® year, to the Faculty of Engineering, and to the university. In addition to having become a part of the "elite" Engineering Society, you have also become a member of the Civil Club.

The Civil Club is primarily a social club which organizes various events for Civil Engineering students here at Skule®. Smokers, a hockey tournament, the Civil Dinner and the annual Quebec Winter Carnival trip are just a few of the events which the Civil Club organizes. The Civil Club also ensures that the Civil department has representation at all Engineering Society events and meetings.

An important part of Civil life is the CSCE (Canadian Society of Civil Engineering) student chapter. The CSCE provides the student with the chance to develop professionally. Among the CSCE/Civil Club efforts to meet students' professional needs are field trips, guest lecturers, speakers, and films.

Civil students should note the following room numbers: GB 138 and GB 422. GB 138 is the Civil Club office. We have a **wide** open door policy, and we welcome any questions, requests, or suggestions. GB 422 is **your** common room. A common room is a place to relax, to eat your lunch, and to while away those few leisurely moments with euchre, bridge, hearts, etc. GB 422 is also an information centre for Civil events, and a place to meet people and make friends in the Civil department. GB 422 is open all



day for your use. It is **your** room and we encourage you to enjoy it.

In conclusion, I would like to say — **GET INVOLVED!!** Always keep your eyes open for Civil Club event advertisements. The Civil Club works hard to have fun, so make sure you take advantage of us...that's what we're here for.

Danny Gargaro
Civil Club Chairman 8T5

Geo-Engineering Club

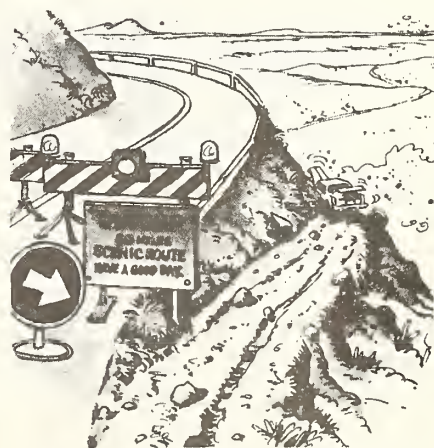
All students enrolled in Geo-Engineering, including first year students, are members of the Geo-Engineering Club.

Geo-Engineering is a comparatively small division, but what it lacks in size is made up for in enthusiasm and spirit. The Geo-Engineering Club organizes (and sometimes disorganizes) events for the purpose of uniting all members for good times. This year, there will be several smokers, sports tournaments, and of course, the annual Geo Dinner. The Club aims to keep any costs associated with its events within a poor student's budget.

As you may or may not already know, Geo-Engineering students choose one of three options for their third and fourth year studies. The Exploration option appeals to those

who like the outdoors, buttes, isolation, and rocks; those who prefer foundations, dams, tunnels, and rocks enter the Geotechnical option. Those few who are fascinated by smelters, crushers, flotation machines, semi-isolation, and rocks are quietly brought to the Wallberg building and introduced to the Mineral Engineering option. Regardless of their year or option, though, Geo-Engineers enjoy a good time and it is the purpose of their Club to provide such opportunities.

The Geo Common Room, SF1007, is open to all members of Geo-Engineering. This is the place to find out about Club events and mix with other Geo-Eng students. This year's Geo Club Chairman is Margaret Seidel. If you have any questions pertaining to the Club, or



any suggestions, do not hesitate to contact her — Geo's are a friendly bunch.

Margaret Seidel
Geo Club Chairman

Boat Race Rules

I - OBJECT:

To drink eight or ten consecutive containers of beer in minimum elapsed time.

II - TEAM:

Each team shall have four or five members (depending on league), designated Lead Man, Second Drinker, Third Drinker, (Fourth Drinker) and Anchor Man.

III - TEAM ATTIRE:

Team dress is at the discretion of the team. However, novices to the sport are advised that sponge caps and bibs are handy items of apparel.

IV - CONTAINER:

The official boat racing container shall be the legislated LCBO 8 oz. draft glass. Should none be available, a suitable 8 oz. container may be substituted in its stead.

V - PROCEDURE:

The team shall position itself in front of a table on which there are two containers of beer directly opposite each team member - ten containers in all.

The referee shall ask the team if it is ready, and, when so, pronounce 1... 2... 3... When *three* is uttered, the Lead Man shall drink the contents of his first container, touch the empty container to the table, and then invert the container over his

head. As soon as the Lead Man's container touches the table, the Second Drinker may pick up his first container, drink its contents, touch it to the table, and invert it over his head. The Third Drinker commences when the Second Drinker's container touches the table.

And so it goes, until the Fourth (Third) Drinker's container touches the table. The Anchor Man then drink the contents of his first container, touches it to the table, raises his second container and drinks its contents, then touches the second container to the table, and then inverts both over his head.

When the Anchor Man's second container touches the table, the Fourth (Third) Drinker drinks the contents of his second container, and so it goes until the Lead Man touches his second container to the table.

The elapsed time for the race shall start with the utterance of the "*three*" by the referee, and end when the Lead Man's second container touches the table.

VI - DISQUALIFICATIONS:

A team shall be disqualified for any of the following:

a) non-continuous drinking - if any team member cannot maintain flow of liquid from container to mouth, the team shall be disqualified.



b) If any team member touches either of his glasses (or other glasses) prior to the stipulated time, (see PROCEDURE) the team shall be disqualified.

c) Should any team member drink less than 90% of the contents of either of his containers, the team shall be disqualified.

Upon completion of the race, the referees meet to discuss any infractions, and, if none occur which will disqualify the team, then announce the official time of the race. The decision of the referees is final, and may not be appealed.

NOTE: Gross and/or indecent conduct on the part of the team members **shall not be tolerated.** This is a gentleman's sport!

The Beer Family

Beer is the generic term for all fermented malt beverages brewed from malt, hops, yeast, and water. The word "beer" is generally used for both ale and lager, both of which are brewed basically from the same materials: malt made from selected Canadian barley, water, hops, and occasionally small proportions of other materials such as rice and corn.

But there are differences in the brewing of ale and lager which account for the distinctly different taste of the two types of beer.

Lager

The name comes from the German verb *lagern*, to stock, to store. It is usually lighter in taste than ale, although of the same alcoholic

strength. Less hops are used than in ale. As with ale, rice or corn is sometimes added, usually a larger proportion than in the case of ale.

Because a "bottom fermenting" yeast is used, the yeast settles to the bottom of the fermenter when the fermentation is completed. The lager itself must be drawn off, leaving the yeast in the tank — unlike an ale fermentation, where the yeast is skimmed off the top.

Ale

Ale usually tastes stronger than lager because more hops are used, and in some instances a very small percentage of rice or corn. The fermentation is done with "top-fermenting" yeast.

Porter and Stout

Generally, no distinction is made between these two. They are traditionally fermented as ales are, using ale yeast. In addition to the ale ingredients, varying proportions of roasted malt or barley are included, or barley and various sugars.

Bock Beer

Traditionally brewed during the winter for the spring market, The origins of the name "Bock" are shrouded in the mists of history. For some reason it is associated with the symbol of the goat. It is a heavy, full, rather sweet, dark lager beer.

Its dark colour is obtained through the use of high-coloured malts.

The Engineers' Hymn

CHORUS: (to be sung between verses)

We are, we are, we are, we are, we are the Engineers,
We can, we can, we can, we can demolish forty beers,
Drink rum, drink rum, drink rum, drink rum and come along with us,
For we don't give a damn for any damn man who don't give a damn for us!

Godiva was a lady who through Coventry did ride,
To show to all the villagers her bare and lily-white hide,
The most observant villager, an Engineer of course,
Was the only one to notice that Godiva rode a horse.

Said she, "I've come a long, long way and I will go as far,
With the man who takes me from this horse and leads me to a bar,"
The men who took her from her steed and stood her to a beer
Were a blurry eyed surveyor and a drunken Engineer.

Godiva was a lady well-endowed there was no doubt,
She never wore a stitch of clothes, just wound her hair about,
The first man ever made her was an Engineer of course,
But on just one beer an artsie queer once made Godiva's horse!

Every year en masse the engineers take to the street,
To show that Skulemen give a damn and aid CF's defeat.
With customary gusto and teamed with a nurse of course,
They raise the bucks shining shoes with spirited BRUTE FORCE!

An artsman and an Engineer once found a gallon can,
Said the artsman, "Match me drink for drink, let's see if you're a man."
They drank three drinks, the artsman fell, his face was turning green,
But the Engineer drank on and said, "It's only gasoline."

I happened once upon a girl whose eyes were full of fire,
Her physical endowments would have made your hands perspire,
To my surprise she told me that she never had been kissed,
Her boyfriend was a tired Engineering Scientist.

Sir Francis Drake and all his men set out for Calais Bay,
They'd heard the Spanish rum fleet was headed up that way,
But the Engineers had beat them by a night and half a day,
As though as tight as virgins, you could still hear them say...

Caesar went to Egypt at the age of fifty-three
But Cleopatra's blood was red, her heart was warm and free,
And every night when Caesar said goodnight at one o'clock,
A Roman Engineer was waiting just around the block.

Venus was a statue made entirely of stone,
There's not a fig leaf on her, she's as naked as a bone,
On noticing her arms were gone an Engineer discoursed,
"The damn thing's busted concrete and should be reinforced."

A maiden and an Engineer were sitting in the park,
The Engineer was busy doing research after dark,
His scientific method was a marvel to observe,
While his right hand wrote the figures down, his left hand traced the curves



My father was a miner from the Northern Malamute,
My mother was a mistress in a house of ill repute,
They kicked me out at a tender age and never shed a tear,
"Get out of here, you son of a bitch, and join the Engineers!"

My father peddles opium, my mother's on the dole,
My sister used to walk the streets, but now she's on parole,
My brother runs a restaurant with bedrooms in the rear,
But they don't speak to me 'cause I'm an Engineer.

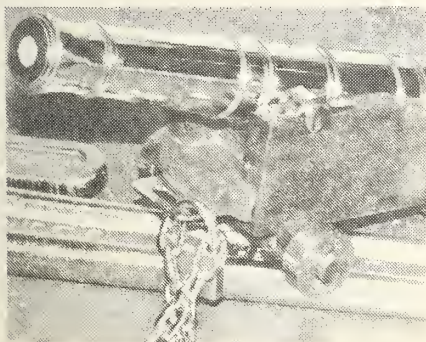
Joe E. Skule's 100 but he has a heart of gold
He gave the meds his Skule-house when it was 94 years old.
The meds were very grateful, but they have problems with precision,
For they use those T-squares and dividers for making their incisions.

On reading Kama Sutra, guy learned position nine,
For proving masculinity it truly was divine.
But then one day a girl rebelled and threw him on his rear,
For he was a feeble artsie and she was an Engineer.

The army and the navy men were out to have some fun,
Looking for a tavern where the fiery liquors run.
All they found were empties, for the Engineers had come,
And traded all their instruments for gallon jugs of rum.

An Engineer once came to class so drunk and very late,
He stumbled through the lecture hall at an ever diminishing rate.
The only thing that held him up and kept him on his course,
Was the boundary condition and the electromotive force.

Now you've heard our story and you've heard we're Engineers,
We love to love our women and we love to drink our beers.
We drink to every fellow who comes here from far and near,
'Cause we're A HELL-OF-A, HELL-OF-A, HELL-OF-A,
HELL-OF-A, HELL-OF-AN ENGINEER!!!



CANNON

Toike Oike, Toike Oike,
Ollum te chollum te chay.
School of Science, School of Science
Hurray, Hurray, Hurray...We are, we are, we are the Engineers,
We can, we can demolish forty beers,
Drink rum(straight), drink rum (straight), and come along with us,
For we don't give a damn for any damn man who don't give a damn for us!!!
YAAAY SKULE!!

WELCOME to Miller Time

